WPB Setup Streamlined—Page 3

Oil, Paint and Drug Reporter

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Volume 146 No. 15 | Schnell Publishing Company, Inc., Publishers | October 9, 1944

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Write for further information on the physical properties, uses, and new lower prices of the Polyethylene Glycols and "Carbowax" Compounds.

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Ceramics
Color binder and vehicle, mold lubricant, modifier for cements and plaster.

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Photography
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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Published by Schnell Publishing Co., Inc.*

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Vol. 146 No. 15 — New York 7, N. Y. — October 9, 1944

Industrial Research Importance Told

A forum for discussions which will aid the probable future responsibilities of industrial research and development organizations of all kinds was sponsored by the Standard Oil Development Company, central research organization of the Standard Oil Company (N. J.), held in the Waldorf-Astoria, New York, October 5.

Among the speakers at the forum which was sponsored by the New Jersey Standard on the occasion of the 25th anniversary of the development company, were Thomas Midgley, jr., president of the American Chemical Society; Harry L. Derby, president of the American Cyanamid & Chemical Corp.; Frank B. Jewett, former chairman of the Board of the Bell Telephone Laboratories, Inc.; Edward L. Land, president of the Polaroid Corporation, and Clyde E. Williams, director of Battelle Memorial Institute.

Emphasizing that the War Department has grown increasingly aware of the need for research and development in connection with new weapons, Robert P. Patterson, assistant Secretary of War, said that in his opinion a single unified defense agency combining the Army and Navy would go far toward solving many post-war military problems.

Mr. Patterson said that he favored the establishment of a corps of scien-

—*Continued on page 58*

Penicillin Standards Parley Next Week

OPD Washington Bureau

The proposed world conference on penicillin to devise international standards for the new drug will be held in London during the week of October 16, it was learned here. The conference is to be held under the auspices of the League of Nations with Sir Henry Dale, president of the Royal Society and chairman of the recently organized British Penicillin Committee, presiding.

Those invited to attend the conference as representatives of the United States are Dr. Robert D. Coghill, of the Northern Research Laboratory of the Department of Agriculture; Dr. Robert T. Herwick, chief of the Drug Division of the Food and Drug Administration, and Dr. Milton Veldee, Senior Surgeon of the National Institute of Health.

It is also reported that Dr. E. Fullerton Cook, of the USP Revision Committee, also may attend as an observer. Dr. R. Gautier, Washington representative of the League of Nations in charge of health standards, will also attend the sessions.

The suggestion that a meeting be held on international standards for penicillin first was brought to the attention of government officials in July of this year, but since production technique was still in a variable state there were doubts in some peoples minds whether a reasonably satisfactory standard could be set up.

It is understood now, however, that officials feel that sufficient progress has been made in the production of the new drug to enable the establishment of satisfactory standards and will urge that this step be taken at the London conference.

Petroleum Technology Development Discussed

Dr. E. Clifford Williams, vice-president and director of research of the General Aniline & Film Corporation, addressed a meeting of the New York Section of the American Chemical Society at the Hotel Pennsylvania, October 6. His subject was "Development of Petroleum Technology into a Major Chemical Industry." Discussion was led by Dr. Robert E. Wilson, president of Pan American Petroleum & Transport Company. Dr. Beverly L. Clarke, head of the analytical department of the Bell Telephone Laboratories, Inc., and chairman of the section, will preside. A dinner will precede the meeting.

Basic Wage Hearings To Start October 11

OPD Washington Bureau

The special subcommittee of the senate on wartime health and education, headed by Senator Claude Pepper of Florida, will open hearings October 11 and 12 on suggestions that the basic minimum wage of the country be increased from 40 cents an hour to 60 cents.

Senator Pepper said that he plans to call on Phillip Murray, president of the CIO, and William Green, president of the A. F. of L., and a representative of the National Association of Manufacturers for testimony.

Medical Care Plan Adopted

The American Public Health Association adopted at its annual meeting, Hotel Pennsylvania, New York, an outline of a national program for medical care, which is designed to make available to the entire population all essential preventive, diagnostic and curative services.

The official policy is a revised version of a report submitted to the council of the association by a subcommittee on medical care headed by Dr. Joseph W. Mountin of the U. S. Public Health Service. Basically the plan calls for providing a comprehensive service for all the people in all areas of the country, which service should include hospital care, the services of physicians, supplementary laboratory and diagnostic services, nursing care, essential dental services and prescribed medicines and appliances.

Red Cross Postwar Medical Needs Studied

OPD Washington Bureau

Appointment of a special committee composed of eleven men, prominent in their respective fields, to survey current Red Cross medical and health operations and to recommend plans for postwar period, has been announced by Basil O'Connor, chairman of the American Red Cross.

Dr. Lewis Weed of the Division of Medical Sciences, National Research Council, will serve as chairman of the committee, and Dr. Felix J. Underwood of Jackson, Miss., president of the American Public Health Association, will be vice-chairman. The secretary of the committee will be Dr. Henry R. Viets, lecturer on neurology, Harvard Medical School.

Skelly Oil Marks Twenty-fifth Anniversary

Skelly Oil Company, Kansas City, Mo., is observing its twenty-fifth anniversary. The company, founded by William G. Skelly who began his oil career in Pennsylvania in his boyhood, produces 100-octane gasoline for airplanes, toluene for high explosives, ingredients for synthetic rubber, plastics, glycerin, anaesthetics, insecticides, medicines, and other specialties, in addition to its familiar basic products on which mankind depends for light, heat, power, and lubrication.

Maverick in England

OPD Washington Bureau

Maury Maverick, chairman and general manager of the Smaller War Plants Corporation, left last week for a 10-day trip to England, where he will discuss small-business problems with British Government officials and with leaders in the small-business field, SWPC announced. In the course of the trip Mr. Maverick will inspect a number of small plants in the British Isles and will talk with various trade associations and industrial leaders on postwar plans for small business.

WPB Streamlined to Cope With Industry Reconversion

OPD Washington Bureau

Plans of the War Production Board for revamping its machinery for the rapid transition of industry to greater civilian production with the collapse of Germany moved quickly forward this week under the leadership of its new chairman, Julius A. Krug, appointed by President Roosevelt as successor to Donald Nelson.

Julius A. Krug

Mr. Krug announced October 5 that the WPB had voted its approval Tuesday of the principles of the reconversion program prepared by the special Task Committee appointed to work out the details of the V-E Day plan, and that it had been favorably received by each of the government agencies through which it is now being circulated.

Steps also were taken permitting manufacturers, producers and suppliers to accept unrated orders now from their customers for goods and commodities now under restrictions, to be put on the shelf and filled when military operations permit the lifting of controls.

Finally, a survey of the impact of military cutbacks on V-E Day on supplies of the principal metals for civilian use, just made public by Hiland G. Batcheller, vice-chairman of opera-

Donald Davis

tions, disclosed that there will be more steel, copper and aluminum available during the first year after the end of the European war than was ever consumed before by American industry.

Mr. Krug, who has been acting chairman of WPB for the past month, was named chairman of the agency September 30 by President Roosevelt when he accepted the resignation of Mr. Nelson who, the President said, is to be given a "high post of major importance" at a later date. The White House did not say what this new job would be, but intimated strongly that it would be in the field of foreign economics. The announcement of his resignation said of Mr. Nelson that his "experience, insight and skill will be urgently needed by this country in laying the groundwork for postwar economic cooperation with other nations."

Another change in the top-side per-

—*Continued on page 57*

Reconversion Legislation Signed by President

OPD Washington Bureau

Legislation providing machinery for the disposition of an estimated $100,000,000 of surplus property and establishing an Office of War Mobilization and Reconversion to handle the relations of government and industry in the reconversion period was signed into law October 3 by President Roosevelt. The President announced his action on the two bills (H. R. 5125 and S. 2051) in statements critical of both measures.

War Mobilization Director James F. Byrnes was designated by the President to serve as head of the OWMR until November 14, when the Senate will go back into session and when, it is expected, someone else will be nominated to the $15,000 job in view of Mr. Byrnes' expressed desire that he be allowed to return to private life. Will S. Clayton, administrator of

—*Continued on page 56*

Manganese Plant At Las Vegas Closed

The War Production Board has taken steps to close down operation of the government-owned manganese leaching plant at Las Vegas, Nevada. The plant, operated by the Manganese Ore Company, has been producing Grade B manganese nodules. Its closing was determined upon in the interests of national economy.

The plant to be closed is a high-cost, subsidized operation, it was explained. Accumulated stocks of a similar grade of manganese, together with more economical output from other sources, are adequate to supply the tonnage required for production of standard ferro-manganese for use in the steel industry, WPB said.

Industry Advisers Asked To Study Cutbacks

The more than 750 industry advisory committee of the War Production Board will play an important role in the projected program for cutting back military production after "Victory in Europe" Day, WPB has announced.

Hiland G. Batcheller, operations vice-chairman, has issued an instruction to all WPB bureau and division directors providing for discussion by industry advisory committees of military cutback information and for recommendations to WPB by the committees as to particular facilities adaptable for producing civilian end products that should receive military cutbacks first.

OPA Standards Officer Appointed

OPD Washington Bureau

Edward J. Hennessy has been named acting standards officer for the Office of Price Administration in an organizational change designed to provide closer working relationships between technical and operating personnel.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Oct. 6, 1944	Sept. 29, 1944	Oct. 8, 1943
136.8	137.5	137.8

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Although in point of number, advances in prices led declines by a wide margin, the weight of price change was on the down side and resulted in a substantial shrinking of the general average of prices and a drop in the index number. Among the multiplicity of generative causes of the overall price revisions were weaknesses in raw materials, raising of OPA price ceilings, reduction in foreign market replacement costs, gains in lively competition, and realignment of spot prices to conform with either the current higher costs of domestic new crops or the increases in spot stocks of items bought abroad at previously lower prices.

Recent Imports

All matter under this head fully protected by copyright

ACID, CRESYLIC—250 dms, United States Commercial Co

ANNATTO SEED—100 bgs, 14,000 lbs, Stern, Stiner & Co
220 bgs, 30,800 lbs, Pablo Calvet & Co

ASBESTOS—485 bgs, 48,500 lbs

BALATA—285 cs, Herman Weber & Co
150 cs, H A Astlett & Co

BANANA FLAKES—3,520 cs

BARBASCO ROOT—104 bgs, Commodity Credit Co

BARBERRY ROOT BARK—49 bgs, Biddle, Sawyer & Co

BONES, CRUSHED—5,000 bgs, Kind & Knox Gelatine Co

BRISTLES—7 bgs, United Bristle Co
5 cs, Corn Exchange Bank & Trust Co

CARDAMOM—2 cs, 260 lbs, Knickerbocker Mills Co

CASEIN—2,000 bgs, 220,460 lbs, H S Cramer & Co, Inc
1,000 bgs, 110,230 lbs, British American Chemical Supplies, Inc
2,000 bgs, 220,460 lbs, American Cyanamid & Chemical Corp
680 bgs, 74,956 lbs, T M Duche & Sons
447 bgs, 49,253 lbs, C W Burckhalter, Inc
1,176 bgs, 129,630 lbs, Hercules Powder Co
400 bgs, 52,000 lbs, Paul & Stein Bros

CASTOR BEANS—40,561 bgs, 6,834,150 lbs, Baker Castor Oil Co
11,882 bgs, 1,782,300 lbs, Spencer Kellogg & Sons
1,665 bgs, 249,750 lbs, United States Commercial Co
8,080 bgs, 1,212,000 lbs, Guaranty Trust Co
8,500 bgs, 1,275,000 lbs, National City Bank

CELERY SEED—2 bgs, 260 lbs, East India Trading Co

CHALK, GROUND—1,040 bgs, F P Gaskell & Co

PRECIPITATED—50 bgs, F P Gaskell & Co

CHEMICALS—12 cs, Lo Curto & Funk
5 cs, G Martin
3 cs, Hensel, Bruckman & Lorbacher

CINNAMON—500 bls, 50,000 lbs, D Hecht Co
310 bls, 31,000 lbs, C T Wilson & Co

COCOA BEANS—1,500 bgs, 300,000 lbs, Wessel, Kulenkampf & Co
500 bgs, 100,000 lbs, Fleschlas & Co, Inc
250 bgs, 50,000 lbs, Wessel, Duval & Co
500 bgs, 100,000 lbs, Middleton & Co

COCOABUTTER—8 bls, 1,080 lbs, Schwabach & Co
9 bls, 1,215 lbs, Westfeldt Bros
8 bls, 1,080 lbs, A C Israel Commodity Co
7 bls, 945 lbs, General Cocoa Co
75 bls, 10,125 lbs, Ernest Adler & Co
5 bls, 675 lbs, Woodward & Dickerson
70 bls, 9,450 lbs, Nieschlag & Co
6 bls, 810 lbs, T M Duche & Sons
6 bls, 810 lbs, Marx Segre

CORN SYRUP—167 bbls, Arnhold Export & Import Co

DILLSEED—888 bgs, 115,440 lbs, D Hecht & Co
5 bgs, 650 lbs, East India Trading Co
40 bgs, 5,200 lbs, I Grob & Co
8 bgs, 1,040 lbs, Archibald & Kendall
6 bgs, 780 lbs, R J Spitz
2 bgs, 260 lbs, Wm Allison & Co
6 bgs, 780 lbs, Becker Mayer Seed Co
6 bgs, 780 lbs, C J Schellings & Co
8 bgs, 1,040 lbs, Biddle Purchasing Co
6 bgs, 780 lbs, Joenason & Cross

FENUGREEK SEED—7 bgs, S B Penick & Co

FLEASEED—133 bgs, Peek & Velsor

HUSK—59 bgs, T M Duche & Sons
261 bgs, Parke, Davis & Co
291 bgs, R J Prentiss & Co
148 bgs, Guaranty Trust Co
140 bgs, Parke, Davis & Co

GLUE—100 bgs, Manufacturers Trust Co

GLUESTOCK—204 bgs, Karr, Ellis & Co
330 bgs, H Remis & Co

GUM, INDUSTRIAL—170 cks, Brown Bros-Harriman Co

KARAYA—370 bgs, Innis, Speiden & Co
62 bgs, Orbis Product Corp
6 bgs, Thurston & Braidich
3 bgs, Frank Vliet Co
3 bgs, Jacques Wolf & Co
10 bgs, T M Duche & Sons
3 bgs, S B Penick & Co
8 bgs, Wessel, Duval & Co
8 bgs, Wm M Allison & Co
4 bgs, Gold Medal Haarlem Oil Co

—*Continued on page 68*

OPD Forum

Outlet for Individual Opinion

Anonymous communications will not be recognized; but, publication of a signer's name will be withheld at request.

Essential Oils in Britain

Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

There seems to be a general impression in this country that, while this government in Washington is heaping restrictions and controls on the essential oil trade, the British government is doing just the opposite. Rumors have gone around that shipments of Italian lemon oil, geranium, bourbon, and vetivert, jasmin absolute, etc., have been arriving in Britain and that the British government is assisting traders to build up their home and export trade at the expense of their American competitors.

These rumors and impressions are completely without foundation. In

—*Continued on page 64*

WFA Wants 100,000 Lbs. Of Peppermint Oil

War Food Administration entered the market October 6 for the purchase of 100,000 pounds of peppermint oil for immediate delivery. Bids to supply the government with the oil will be received from the trade through October 16 by the procurement and price support branch, Office of Distribution, WFA, and awards will be made not later than October 20.

Officials described the contemplated purchase as only part of the total amount to be bought during the year. It is being bought for cash sale abroad and is not considered as a lend-lease transaction. They also added that with the entrance of the government into the market and the fact that consumers of peppermint oil may now purchase up to a full year's inventory, a firm market in the oil should be expected. Prior to October 1, consumers were not allowed, under the regulations, to build up their inventories beyond one-half of their year's quota. Since October 1 they have been allowed to complete their inventory requirements.

OPA Sets Prices For Cinchona Alkaloids

OPD Washington Bureau

Present maximum prices for certain cinchona alkaloids and their salts, sold by the Defense Supplies Corporation to other government agencies and to industrial users supplying these agencies have been increased about 80 percent under the terms of amendment No. 177 to RSR No. 14 to the General Maximum Price Regulation. The amendment became effective October 3.

Through May 31, 1944, this agency operating under maximum prices determined under the General Maximum Price Regulation, experienced expenses in its production program which exceeded its receipts from the sale of these commodities. The primary reason for this disparity was the very poor quality of some of the South American cinchona bark which was processed up to May 31, 1944. This situation, according to information re-

—*Continued on page 56*

Chlorine Allocated For Fourth Quarter

Chlorine allocations should be continued for at least one month after "Victory in Europe" Day, the Chlorine Alkali Industry Advisory Committee recommended at a recent meeting, the War Production Board has reported.

To keep production and distribution in balance, WPB has prepared new instructions concerning the quarterly shipments of chlorine by industry. These instructions, approved by the committee, follow:—

During the fourth quarter of 1944, the following conditions will prevail with respect to the delivery of chlorine:—

In any one month the fourth quarter of 1944, no consumer shall receive at any one consuming point more than one-

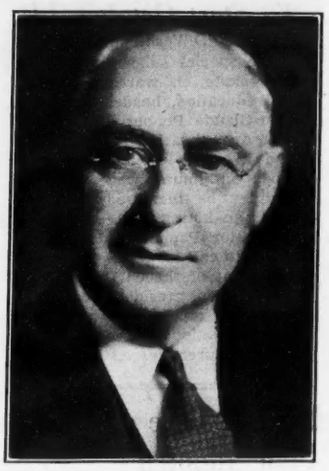
—*Continued on page 50*

Obituaries

George L. Ringel

George L. Ringel, vice-president and director of Fritzsche Brothers, Inc., essential oils and aromatic chemicals, New York, died in a hospital in Columbus, Ohio, October 3, where he was being treated for a heart ailment. He was sixty-six years of age.

A native of Cincinnati, Ohio, Mr. Ringel joined the Fritzsche organiza-



George L. Ringel

tion February 11, 1901, shortly after completion of his studies at the Cincinnati College of Pharmacy. He served as arepresetnative for the Fritzsche organization in Ohio and adjacent territories and later as manager of Eastern sales, and as manager of Fritzsche Brothers of Canada, Ltd. He was a life member of the South Atlantic and Southern Drug Clubs as well as various trade associations throughout the country.

Surviving are his wife, a brother and a sister.

Frank X. Hogan, vice-president and general sales manager of the Container Company, a division of Continental Can Company, died suddenly while on vacation in Monroe, N. Y., September 30. He was fifty-five years of age. Mr. Hogan joined the Container Company in 1930 as Eastern sales manager.

Wormseed Oil Ceilings Issued

Producers' sales of wormseed oil, which have heretofore been exempt from price control, were given a specific ceiling price of $4.50 per pound by the Office of Price Administration in a new regulation effective October 6, 1944.

At the same time the OPA established specific ceilings for dealers. Up to now these were priced under the G. M. Pr.. Dealer sales are ceiled are ceiled at $4.72 a pound on sales to other dealers, and $5 per pound on sales to industrial users or drug wholesalers in quantities of over 50 pounds customary dollars-and-cents packaging differentials have been applied to dealers' ceilings for smaller quantities.

Liquid Fuels Plant Office Established

OPD Washington Bureau

Establishment of an office of synthetic liquid fuels in the fuels and explosives branch of the Bureau of Mines was announced October 7 by Dr. R. R. Sayers, director of the bureau. The office will guide the five-year program of research and development designed to provide oil and gasoline from sources other than natural petroleum.

The new office will be headed by Dr. W. C. Schroeder.

Lithium Compounds Control Eased

In view of reduced military demands for lithium compounds, the War Production Board Oct. 6 revoked order M-191 governing allocation of the chemical.

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Winthrop Co. Fined $18,000 by U. S.

Federal Judge Samuel Mandelbaum fined Winthrop Chemical Company $18,000 in United States District Court here on its plea of guilty of shipping in interstate commerce adulterated distilled water and dextrose—or sugar—solution.

James B. M. McNally, United States attorney for the Southern District of New York, told the court that "the defendant desired to enter a plea of nolo contendere in the present case and the nature of the violation here and the circumstances surrounding it are such as might well have justified the acceptance of such a plea." He pointed out, however, that it has been his consistent policy to oppose the entry of a nolo plea.

Bids Wanted

Drugs and Chemicals:—Purchasing Agent, District Government, Washington (4); schedule 6001-L, opening October 12.

Perchlorethylene: — 5 700-pound drums, Purchasing Agent, District Government, Washington (4); **schedule 6062, opening** October 9.

Soap, Laundry:—79,880 pounds. Purchasing Agent, Post Office Department, Washington (25); invitation 813, **opening** October 6.

Soap, Laundry:—12,000 pounds. Treasury Department, Procurement Division, Ft. Worth, Tex.; invitation RT7S-1226, opening October 19.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Sulphuric Requirements In 1945 Discussed

The new ordnance program calling for increased production of smokeless powder and trinitrotoluene will require a corresponding increase in sulphuric acid output, a Chemicals Bureau representative advised members of the Inorganic Acids Industry Advisory Committee at a recent meeting, the War Production Board has reported. From an output of 8,393,100 tons in 1943, the capacity of the sulphuric acid industry is expected to reach a peak of 9,426,600 tons June 30, Chemicals Bureau officials said.

Demands for new and spent acid during 1944 are expected to reach 10,556,200 tons, with an estimated supply of 9,650,700 tons for this period. The requirement for the first six months of 1945 is estimated at 5,663,600 tons of acid, against an estimated supply of 5,251,000 tons, the committee was told. The figures are exclusive of ordnance production and requirements. Some spent acid from ordnance plants may be available to

—*Continued on page 40*

Crude Oil Ceiling Price Increase Urged

OPD Washington Bureau

The small business committee of the house urged Economic Stabilization Director Fred M. Vinson October 5 to review his decision of last July on the question of increasing crude oil prices and allow an increase in the ceiling of 35 cents a barrel to encourage new production from the small independents.

The committee told the director that studies it has just completed of the oil situation "indicate that the existing subsidy program does not furnish sufficient financial relief to the majority of the independent producers to encourage them to stay in business as independent operators."

It urged that consideration be given to increasing the price of crude oil without increasing the price of finished products to the consumer and, in order to carry out this recommendation, that subsidies be paid where necessary to the independent refineries whose operations are evidence by high operating costs, by an absence of governmental contracts and whose products are sold entirely for public consumption.

Aluminum Scrap Surplus Prices Set

OPD Washington Bureau

Minimum prices for the sale of surplus aluminum scrap of the War and Navy Departments, the RFC, and contractor-owned aluminum scrap which constitutes termination inventory under terminated prime contracts were established in regulation 5 of the Surplus War Property Administration, issued October 2 by administrator Will L. Clayton.

The minimums established are:—All segregated solids, 6 cents a pound; all mixed solids, 5 cents; any scrap solids mixed with foreign materials, 4 cents; obsolete aircraft to be scrapped, 2½ cents; wrecked aircraft, 1¼ cents.

The regulation specifically excludes small lot sales of 10,000 pounds or less, as well as aluminum borings and turnings.

The regulation was issued, Mr. Clayton explained, because it had become apparent that the amount of aluminum scrap arising from current production is already in excess of the capacity of the industry to absorb in an orderly fashion with the result that prices already have been depressed below any reasonable or intrinsic value.

Chemicals, Maintenance Order Is Amended

The War Production Board has amended P-89, the Chemicals Bureau maintenance, repair and operating supplies preference rating order, for general clarification and to require producers who need mechanical labor-saving devices to compensate for losses in manpower to submit detailed information requested in paragraph (e) (1) of the order. Formerly the only information required from the producer was the amount of actual curtailment of plant production resulting from manpower losses.

The Commerce Department has been talking up the idea with congress that the old system of having consular officers abroad to keep tabs on foreign market developments who are responsible only to the department be restored. The suggestion is being offered as one sure way of keeping American goods on the foreigner's shelves because these officers would not become all wrapped up in diplomatic problems and thus could devote full time to promoting the interest of the American business man.

It is doubtful, however, whether the suggestion will ever get very far. President Roosevelt is 100 percent with Secretary Hull that in matters bearing on international trade there can be no divorcing of the commercial and diplomatic aspects of the situation. Commercial and diplomatic policies go hand in hand and have to be considered in this light if friction in foreign markets is to be avoided.

That the State Department intends to place more accent on commercial relations than it has done in the past is seen in recent developments. Examples are the recent agreement with Britain on oil, discussions on rubber, plans developed at the Bretton Woods monetary conference for an International Bank to provide short-term credits to countries experiencing temporary balance-of-payments difficulties and instructions just sent to its agents in liberated Europe for an immediate survey of the supply requirements of these areas.

Employer-Employee Facts

The recent poll taken by the National Chamber of Commerce on basic principles of social security for workers produced some results that leave little room for wonderment as to why various forms of "isms" with their shotgun tactics that bring down the wrath of the public on the business community generally, get started in this country. It is apparent that there are still a lot of die-hards that still regard their workers as just another commodity.

To the simple question of whether employers who have not done so should explore—just look in or consider—the possibility of providing their workers with some protection against non-industrial or non-occupational disabilities and sickness, 215 said "no." Another 687 said they were against public action to fill in this gap if they (the employers) could not find means of providing protection, and another 137 said they were opposed to voluntary group effort to provide more adequate medical services for all the people.

Finally, as a general policy, 576 said that they were against providing protection against unemployment and income losses that are a natural consequence of the workers of a free and changing society.

Vitamins in Bread a Must

The baking industry found out the hard way this week that when the WFA says that bread and rolls shall be enriched with health-giving vitamins it means just that. A recent survey made of how closely the baking industry was following the requirements of WFO-1 requiring the use of specified quantities of thiamine, niacin, riboflavin, and iron in making white bread and rolls uncovered some rather widespread violations right here in the agency's home town.

The trouble seems to be mostly with the small establishments, they apparently feeling that the WFA orders were not aimed primarily at them but rather at their big brother competitors. They found out differently when the WFA had six of them called into court and were handed fines of from $100 to $150 each. It was the first time the enrichment provisions of the food order had been brought up in court, and WFA warns that other cases will follow unless members of the industry take heed.

In-Plant Feeding Data

The merits of in-plant feeding have long been discussed pro and con by employers. Past opinions have usually meant little because few facts have ever been marshalled on the subject. A survey just made for the WFA, however, now gives some factual support to those who have looked with favor on in-plant feeding.

Of 101 plants from various types of industry, all employing 500 or more workers, the study shows that all but one plan to continue in-plant feeding if they remain in business after the war. The type of system most frequently used, according to the study, is the cafeteria, but mobile units and canteens are also in common usage. Employer opinion is quite evenly divided on whether the company itself should operate the feeding system or obtain the services of a caterer.

Penicillin Certification

Officials of the Food and Drug Administration are toying with the idea of requesting Congress for legislation to provide for the certification of the purity of penicillin before shipments can be admitted to interstate commerce. The thought is to proceed somewhat along the lines now followed in the case of insulin and coal-tar colors.

Some of the members of the drug industry have been asked their thoughts on the proposition, but for the present are not saying anything about it publicly. There is a principle involved that they want to consider thoroughly before committing themselves.

Alcohol Problem

All of the distillers in the east are going to have to go over to the use of wheat for the making of alcohol after the first of the year because there isn't enough molasses available to continue present scale operations, and the WFA can't see the corn supply situation improving to the point that corn can again be used for this purpose.

The molasses supply situation, according to WPB officials, is in a pretty bad shape. There isn't enough to supply the needs of the distillers and other users, and there is even some question whether the distillers in the gulf will be able to obtain all that they need. A year ago there was so much molasses that it was being dumped in the ocean. Today there is almost none.

'Spot' Authorization Plan

Indications are that the field offices of the WPB are keeping a tight rein over the release of materials for civilian production under the "spot" authorization program in spite of all the hullabaloo from Washington that the real bottleneck to civilian production is manpower shortages.

According to reports from the field offices through the first half of September only 18 applications under the "spot" authorization program had been denied because of adverse WMC decisions, while 245 had been denied or rejected for other reasons. On that date 124 applications had been approved.

The items approved for manufacture range all the way from automotive replacement parts and copper and bronze powders to industrial air conditioning equipment and tire patches.

Speakers for War Dep't

A clearer picture of the war, particularly in the Pacific, is now available to major industrial groups and similar organizations. The Army has just created a Speakers' Branch in the War Department, which will send combat veterans, for the asking, to speak before large organizations related directly or indirectly to the prosecution of the war. These speakers will not only relate their own experiences and observations, but also will present the department's general estimate of the military situation and the size of the job ahead.

Col. Warren J. Clear, General Staff Corps, a well-known authority on Japan and a veteran of the fighting on Bataan and Corregidor, is chief of the

—*Continued on page 43*

Magnesium Restrictions Removed by WPB

OPD Washington Bureau

All restrictions contained in the orders of the War Production Board on the use of magnesium, whether referred to by name or as a metal, were lifted by the agency October 3 with the issuance of supplementary limitation order M-2-c. However, restrictions in other orders as to the quantity of an article which may be made or as to its size or type remain unaffected even if the article is made wholly or partially out of magnesium.

Under terms of the order persons wishing to acquire magnesium or magnesium products may place rated or unrated purchase orders on their supplier, without securing the approval of the WPB or the Aircraft Scheduling Unit of the Aircraft Resources Control Office. The orders so placed are subject to the priorities regulations of the WPB, and in particular to Priorities Regulation No. 1.

All persons engaged in the following operations shall file monthly reports with the Aluminum and Magnesium Division of the WPB:—Production of virgin magnesium. Form No. PB-2413; production of magnesium wrought products or castings (except incendiary bomb body castings), Form WPB-2290; production of magnesium powder, Form WPB-336; production of magnesium castings for incendiary bomb bodies, Form WPB, 2289.

Paperboard Container Pricing Method Set

OPD Washington Bureau

General increases in the ceiling prices of second-hand paperboard shipping containers have been announced by the Office of Price Administration in a move designed to stimulate a greater return of these containers for reuse, and thus relieve the existing serious shortage of paperboard containers, both new and used.

At the same time, to faciliate industry pricing of these containers, dollar-and-cent ceilings per thousand square feet of paperboard in the containers and per 100 containers were established for the first time. These alternate methods of pricing may be used at the option of the seller instead of the other dollar-and-cent ceilings, which are on the basis of per hundredweight.

In other moves to bring about more used container returns, OPA made all ceilings f.o.b. sellers' premises, and set specific ceilings for all corrugated and solid fiber inner packing materials sold for reuse either as part of the container or separately. Ceilings established heretofore, which were all on a per hundredweight basis, represented delivered prices.

Price Ceiling Guide Revised by OPA

OPD Washington Bureau

A revised edition of the Directory of Commodities and Services, official guide of the Office of Price Administration to the scope and application of price ceilings, will be available October 1. It will be procurable at $1 a copy, covering also six subsequent monthly supplements, from the Superintendent of Documents, Government Printing Office, Washington 25.

This directory comprises lists of chief price officials, with their titles and telephone numbers; all OPA price regulations, listed by number and title, with interpretative data on their application and administration; an alphabetical index of some 6,000 commodities and services under price control, as of August 1, 1944; a list of OPA branches, with the commodities covered by each.

Gross in WMC Post

OPD Washington Bureau

John E. Gross, of Denver, Colo., has been made regional director of Region XI of the War Manpower Commission, embracing the States of Colorado, Wyoming, Utah, Idaho and Montana, with headquarters at Denver, has been announced by Paul V. McNutt, chairman of WMC.

Mr. Gross has been associated with WMC for more than two years. John R. McCusker, former regional director at Denver, will continue with WMC as a consultant.

Now... LIFESAVING PENICILLIN - C.S.C. *by the Carload*

At the prices which prevailed twelve months ago, this carload of Penicillin would have been worth $3,000,000. But you couldn't have bought it at any price . . . because today's mass production methods were still in the planning stage.

Now, thanks to the deep fermentation process used by Commercial Solvents, large quantities of Penicillin-C. S. C. are being produced for less than ten per cent of the price which prevailed only a year ago.

This full carload shipment contains 150,000 vials of 100,000 units each—fifteen BILLION units. It is being sent to save the lives and speed recovery of America's fighting men.

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Howard Resigns As Head Of Development Co.

Frank A. Howard, president of the Standard Oil Development Company and original administrative head of the organization, has announced his resignation. R. P. Russell, executive vice-president of the company since 1937, has been elected to succeed Mr. Howard.

Mr. Howard will remtain a director of the Development Company and vice-president of the Standard Oil Company (New Jersey) until after the first of the year, when he expects to resume private law practice from which he withdrew in 1919 to organize and manage the industrial research group which eventually became the development company. In private practice he will serve the company as patent counsel. Mr. Howard, who is an engineer as well as a lawyer, has invented a number of improved oil-refining processes.

Mr. Russell has been with the company since 1927, when he left an assistant professorship of chemical engineering at Massachusetts Institute of Technilogy to direct the newly organized Esso Laboratories at Barton Rouge. Since the outbreak of war he had devoted much of his time to emergency technical work for the Office of Scientific Research and Development

—*Continued on page 65*

Penna Salt Opens Whitemarsh Laboratories

Pennsylvania Salt Manufacturing Company officially opened its new Whitemarsh Research Laboratories in Chestnut Hill near Philadelphia as the new quarters for its research and

Dr. S. C. Ogburn **W. S. Riggs**

development department October 4 to 7. Following a luncheon to invited guests, October 4, Leonard T. Beale, president of the company officially turned the key of Whitewarsh over to Dr. S. C. Ogburn, jr., manager of research and development and executive head of Whitemarsh Research Laboratories.

Charles F. Kettering, general manager of the research laboratories divi-

A. F. Gibbs **Dr. W. A. La Lande, Jr.**

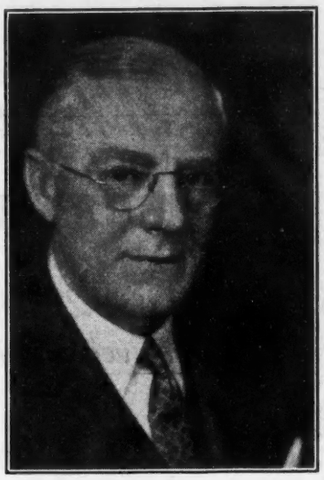
sion of the General Motors Corporation, made a short address which was broadcasted over Station WFIL.

Guests on the first days of the opening included prominent scientific, industrial, educational, and government men except on October 7 which was reserved for the company's employees. Guests were afforded an opportunity to make a tour of the building guided by members of the technical staff. Other officials of the Whitemarsh Laboratories include W. S. Riggs, director of development; Dr. William A. DaLande, jr., director of research and A. E. Gibbs, advisory technical director in charge of patents.

The Whitemarsh property is located in the center of 308 acres and was purchased from the estate of Edward T. Stotesbury for approximately $167,000, the original cost having exceeded several million dollars. The building consists of five floors including three main floors and two basement floors. It contains 130 rooms and has more than 3,500 feet of halls and corridors.

Perkin Medal Won By Dr. E. K. Bolton

The American Section of the Society of Chemical Industry has announced the election of Dr. Elmer K. Bolton, chemical director of E. I. du Pont de Nemours & Co., Wilming-



Dr. Elmer K. Bolton

ton, Del., to receive the Perkin Medal in recognition of his outstanding accomplishments in the field of industrial reseach. Presentation of the medal will be made at a dinner meeting of the society at the Commodore Hotel in New York, January 5.

Dr. Bolton, who will be the thirty-ninth member of the group of distinguished chemists to receive this medal, was born in Philadelphia, Pa. After graduation from Bucknell University with the degree of A.B., he entered Harvard from which he received the degrees of A.M. and Ph.D.

—*Continued on page 50*

Chemical Uses Data Reach Into Second Book

A second volume of the compilation of uses and applications of chemicals and related materials has just been published.* Complementarily and supplementarily, it adds much to the useful value of the first volume, published five years ago. The two volumes provide a reference library of comprehensive practical service for every user and every seller of chemicals and the like.

These useful compilations are based on the informative data on uses of chemicals and related materials which have been published in OPD for more than twenty years under headings, "Where You Can Sell It" and, more recently, "Industrial Applications of Chemicals and Related Materials." This information is known to thousands of users and sellers of these materials, and many of them have testified frequently to its usefulness.

Volume II of the bookform compilation of these data complements the usefulness of volume I with an index of uses, covering the two volumes, ranging from abrasion-resisting agents to zirconium (metal), and occupying more than fifty pages. This facilitates the finding of replacement materials. Another complementary feature is a ten-column index of synonyms and cross-references; a third is a directory of the owners of the patents in various countries cited in the data on applications, a list which occupies seventy pages, plus seventeen pages giving the addresses of these patent-owners.

The supplementary part of the new volume is a compilation of informative data on uses and applications of 2,642 chemicals and related materials. These are presented in the style and alphabetical arrangement of volume I, with which the several thousand owners of that book are familiar. The supplementary compilation brings up to 7,809 the number of materials covered by the two volumes in their practical, useful service to users and sellers of chemicals and related materials—and to experimenters with such substances.

* Uses and Applications of Chemicals and Related Materials—A Guide to Their Current Industrial Uses, Potential Applications, and Sales Possibilities, compiled and edited by Thomas C. Gregory; volume II, cloth lxviii+439 pages, 6x9 inches. New York: Reinhold Publishing Corporation, 1944. $9.

Industrial Applications of Chemicals and Related Materials

875th Instalment **("Where You Can Sell")**

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(Parenthetic figures are the numbers of patents in the United States or other countries; as designated)

Allopregnane-20(alpha)-ol-3-one

Chemical—Starting point (U.S. 2250962) in making allopregnane-3-(beta):20(alpha)-diol.

Amyl Hypochlorite

Textile—Shrinkproofing agent (U.S. 2132342) for wool (used in admixture with amyl, butyl, ethyl, or propyl alcohol, methanol, diethyl or methyl-propyl carbinol carbon tetrachloride).

Shrinkproofing agent (U.S. 2132345) for wool (used in conjunction with carbon tetrachloride as a washing agent or sodium acetate as an accelerating agent).

Betadibutylaminoethylcarbazole 2-Carboxylate

Pharmaceutical — Claimed (U.S. 2250004, 2250005, and 2250006) as local anesthetic.

Buchanania Fat

Fats, Oils, and Waxes—Vegetable fat having a melting point less than 25° C., refractive index 1.4572, acid value of 32.7, saponification value of 193.2, iodine value of 62.4, unsaponifiables 1.07 percent, Hehner value of 93.1, specific gravity of 0.9232; its fatty acids are oleic, 57 percent; palmitic, 29 percent; stearic, 8 percent; linoleic, 6 percent, and fully saturated glycerides, 4.8 percent.

2-Chlor-4-alphaphenylisopropylphenol

Disinfectant—Claimed (U.S. 2247402, 2247403, and 2247404) as germicide.

Insecticide and Fungicide—Claimed (U.S. 2247402, 2247403, and 2247404), as fungicide and insecticide.

Miscellaneous—Claimed (U.S. 2247402, 2247403, and 2247404) as antioxidant.

2:6-Diamino-2-carbamido-3-benzeneazopyridinium Methosulphate

Pharmaceutical—Water-soluble dye claimed (U.S. 2135293) to be valuable for medicinal use.

21-Diazodelta-5-pregnen-3-ol-20-one

Chemical—Starting point (Brit. 500767, 502289, and 544484) in making diazoprogesterone.

3-Ethyl-5-(gamma-acetanilidoallyliden)-2-thio-2:4-oxazoledione

Dye—Starting point (Brit. 517769) in making sensitizer dyes for silver halide emulsions with morpholin or piperdin.

Hexachlorodihydroxydiphenylmethane

Disinfectant—Claimed (U.S. 2250480) valuable as disinfectant.

Insecticide and Fungicide—Claimed (U.S. 2250480) valuable as fungicide.

Methyl Pentachlorostearate

Chemical—Organic chemical, clear-yellow to deep reddish-brown in color, soluble in hydrocarbons, insoluble in water, molecular weight 470 (approx.), specific gravity 1.200 (25°/15.5° C.).

Miscellaneous—Suggested as plasticizer, aid in imparting flexibility at low temperatures, and fire-resistance increaser for polyvinyl chloride in making chemically resistant linings, hose, and the like; electric insulation; incombustible materials; impregnating agents for protective clothing, mechanical fabrics, and packings; waterproofings; rubber replacements; corrosion-resisting wrappers; and other articles.

N-Octylalpha-aminoalphamethyl Butyrate

Adhesives—Solvent-plasticizer (U.S. 2135641) in adhesive compositions containing cellulose derivatives.

Ceramic—Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating ceramic products.

Chemical—Solvent-plasticizer (U.S. 2135641) for cellulose derivatives.

Cosmetic—Solvent-plasticizer (U.S. 2135641) in nail enamels and lacquers containing cellulose derivatives as base material.

Electrical—Solvent-plasticizer (U.S. 2135641) in insulating compositions, containing cellulose derivatives, used for covering wire and in making electrical machinery and equipment.

Glass — Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Leather — Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal Fabricating—Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating metallic articles.

Mining — Flotation agent (U.S. 2135641) in ore-separating processes.

Miscellaneous — Solvent-plasticizer (U.S. 2135641) in coating compositions containing cellulose derivatives, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Solvent-plasticizer (U.S. 2135641) in paints, varnishes, lacquers, enamels, and dopes containing cellulose derivatives.

Paper—Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used in the manufacture of coated papers and as coatings for decorating and protecting products made of paper or pulp.

Photographic — Solvent-plasticizer (U.S. 2135641) in making films from cellulose derivatives.

Plastics — Solvent-plasticizer (U.S. 2135641) in making laminated fiber products, molded products, plastics from or containing cellulose derivatives.

Resins — Solvent-plasticizer (U.S. 2135641) in making artificial resins from or containing cellulose derivatives.

Rubber—Antiager (U.S. 2135641) for chlorinated rubber.

Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating rubber goods.

Stone — Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Textile—Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used in the manufacture of coated fabrics.

Wood — Solvent-plasticizer (U.S. 2135641) in compositions, containing cellulose derivatives, used as protective and decorative coatings on woodwork.

Sulphotriethyl Iodide

Photographic—Yellow-fog inhibitor (U.S. 2238631 and 2238632) for silver halide emulsions

Data similar to those above on Uses and Applications of **7089** *Chemicals and Related Industrial Materials: two books. 1192 pages* **$19**
Order from Oil, Paint and Drug Reporter:—Volume I (1939), $10; Volume II (1944), $9

A typical example of

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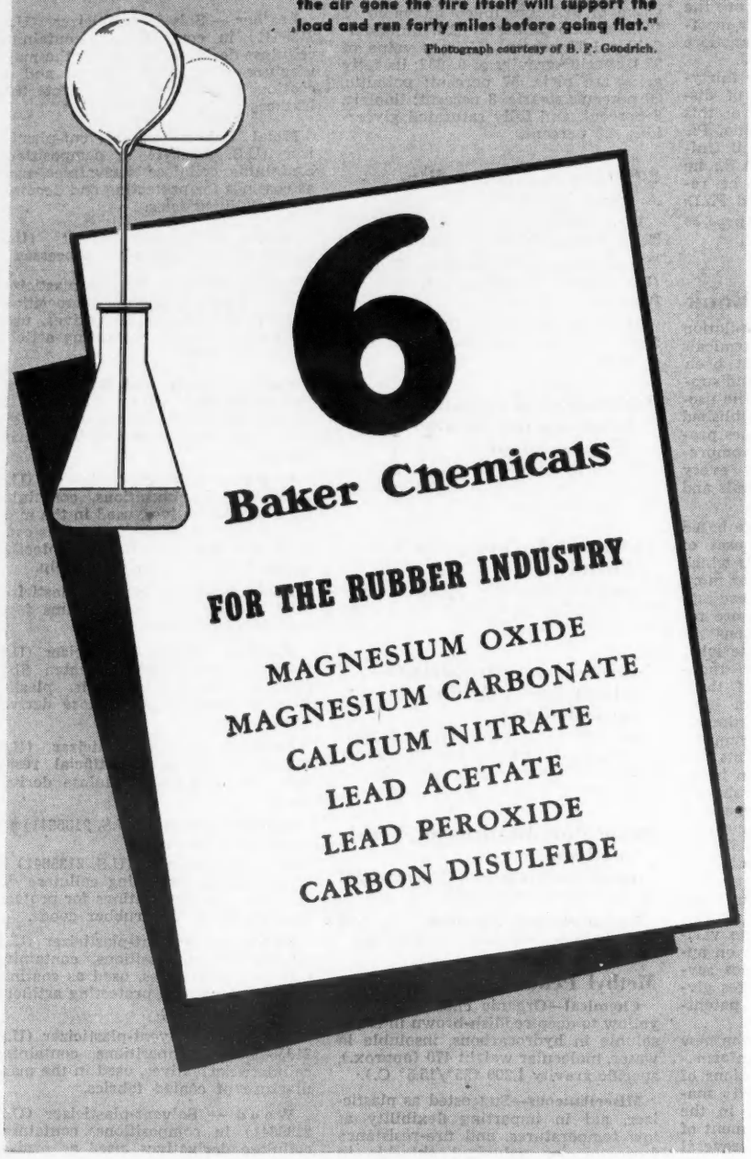
"The jagged holes were made by machine gun bullets that went right on through, but the tire didn't go flat. . . . Even with the air gone the tire itself will support the load and run forty miles before going flat."

Photograph courtesy of B. F. Goodrich.



When Rubber is

MORE THAN RUBBER

New Qualities Long Hoped for Developed in Various Synthetics

Out of our war-time shortages of natural rubber have come many synthetics that render a greater service. And here's the major reason. These synthetics were custom-built to *specific* rather than general needs.

The J. T. Baker Chemical Co., in step with the changing chemical needs of those who work with rubber, has been going along with this expanding technology. When chemicals were required to give synthetics certain qualities, Baker frequently made these chemicals to the rubber industry's defined specifications.

Today, Baker not only supplies large quantities of Calcined Magnesia to meet the exacting requirements of Neoprene compounders, but also Magnesium Carbonate for its reinforcing qualities and high tensile strength.

Baker makes four other sales leaders for the rubber industry to predefined specifications: Calcium Nitrate, Lead Acetate, Lead Peroxide and Carbon Disulfide.

If you have need for one or more of these chemicals—or require a special chemical custom-built to your own rigid specifications, we urge you to write. Our chemical, technical and executive staffs are at your service. Your inquiry will be treated in strict confidence.

J. T. Baker Chemical Co., ***Executive Offices and Plant:*** **Phillipsburg, N. J.** ***Branch Offices:*** **New York, Philadelphia and Chicago.**

ANALYZED REAGENTS Baker's FINE CHEMICALS

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations Chemicals and Related Materials

October 6, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).
Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib., dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37
Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms....lb. .49 - .67
Acetone, CP,[1,6] dms., c.l., divd. E.*..lb. .08 - —
l.c.l., divd. E.*.....lb. .08½- —
tanks, divd. E.*.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —
Acetophenetidin, bbls., kgs., 1,000-lb. lots..1.00 - —
dms.....lb. 1.08 - 1.10
Acetophenone, cns., dms....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks....lb. .07½- —
Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, nat'l, bbls....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., bbls., works.... 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works....100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis..lb. .46 - .59
Standard USP, fine cryst. gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] fib. dms., works.....lb. .31 - —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous,[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22
Ascorbic,[1,6] USP, dms., 500-kilo lots..kilo.24.50 - —
30-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
2½-kilo lots.....kilo.25.70 - —
1-kilo lots.....kilo.26.41 - —
bots. 500-grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls. works. lb. .93 - —
Boric,[2] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broeners, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —
Acid, camphoric, cns.....lb. 6.95 - 7.00
Capric, tech., ret. dms.....lb. .21½- .22
Caprylic, tech., ret. dms....lb. .27 - .27½
Castor oil,[6] split, ret, dms...lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .18¼
Cinnamic, refd, bots.....lb. 3.50 Nom.
Citric,[1,6] anhyd., gran., dms., c.l.lb. .22½- —
10,000 lbs., 1 ship't...lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
cryst., gran., bbls., c.l....lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots.....lb. .23 - .24
kgs. .....lb. .21½- —
Powd. citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1,6] dist., dms....lb. .15½- .17½
Corn oil, s.d., dms., c.l., works, lb. .12 - —
Cottonseed oil,[1,6] s.d., dms., c.l...lb. .12 - —
tanks, divd.....lb. .14¼- —
Cresylic,[3,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .88 - —
tanks .....gal. .75 - —
(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal., ref....gal. .510 - —
Sewaren, N. J., reg..gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref.gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, divd.....gal. .646 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF VII, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.13
Gamma, bbls.....lb. .85 - —
Gluconic, bbls., 600 lbs.....lb. .12 - —
dm|b. .....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57% bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - —
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basis content..lb. .06½- —
Hypophosphorous, USP, djns., lb. .75 - .80
Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more..lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grads, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms....lb. .20 - .20½
Laurent's, bbls.....lb. .45 - —
Linseed oil,[6] light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric, unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., 85%, bbls..lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24 works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
Acid, muriatic, 20°, cbys., c.l., E. works..100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys..lb. .08 - —
6-lb. bots.....lb. .19 - —
dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms. extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys..lb. .13 - —
7-lb. bots.....lb. .23 - —
dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[6] white, dist., dms..lb. No stocks
tanks .....lb. No stocks
Para-aminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, divd., lb. .11¼- —
Phenylacetic, bots.....lb. 1.85 - 3.00
Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, divd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. drs., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd. E..gal. .50 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1,6] s.d., dms.....lb. .16½- .18½
tanks, works.....lb. .11 - —
Stearic,[1,6] double-press, bgs..lb. .15⅞- .16⅞
single press, bgs.....lb. .15⅝- .16⅝
triple press, bgs.....lb. .18⅝- .19⅝
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.35 - —
l.c.l., 25 up, works...100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys.lb. .68 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .78
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs.....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs. 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Tobiac, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.10 - 1.15
Acetic hydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1,6] USP, anhyd., pharmaceutical, dms., l.c.l., works..lb. .30 - —
cosmetic, dms., l.c.l., works, lb. .31 - —

Adeps lanae prices for primary distributors, f.o.b. St. Louis, 1c. higher.

Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls....lb. 2.01 - 2.09
granular, cryst., bbls.....lb. 1.96 - 2.04
tech., cryst., bbls.....lb. 1.55 - 1.65
Alcohol, allyl, dms., c.l., divd..lb. .29 - —
l.c.l., divd.....lb. .30 - —
Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns.....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms., frt. alld. lb. .1980- —
l.c.l., frt. alld. E...lb. .2030- —
tanks, frt. alld. E....lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E.....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.00 - —
Denatured,[1,3,6] CD14, dms., c.l., divd. E..gal. .54½- —
19, dms., works, E...gal. .56½- —
1 to 18 dms., works, E..gal. .59½- —
tanks, E., divd.....gal. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19, bbls., E. works...gal. .64 - —
1 to 18 bbls., E. works, gal. .67 - —
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., wks., E.gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E. gal. .65 - —
tanks, E. works.....gal. .48 - —
SD23G (replaced by SD28H).
SD28H, works, c.l., bbls..gal. .61½- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49¼- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. works. gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works...gal. .69 - —
tanks, E. works.....gal. .50½- —

When any of the several SD29 denaturants is supplied by the puchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .55½- —
19 dms. to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60½- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[6] acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .11¾- .15
tanks, divd.....lb. .10¼- .13¼
tech., dms., c.l., divd....lb. .11 - .13½
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb. .10 - .12¼
Ethyl[6], 190 pf., dms., c.l...gal.17.64½- —
19 dms.....gal.17.68 - —
1 to 18 dms.....gal.17.71 - —
tanks .....gal.17.60 - —
absolute, dms., c.l.....gal.18.62 - —
18 dms.....gal.18.65½- —
1 to 17 dms.....gal.18.68½- —
Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .26 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works...22½- —
l.c.l., works.....lb. .25 - .35
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[1,6] refd., 91%, dms., 5 gals., divd..gal. .66½- —
55 gals., c.l., divd....gal. .39 - —
l.c.l., divd.....gal. .43¼- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., divd.gal. .65 - —
55 gals., c.l., divd....gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., wks..gal. .67 - .76

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms.,
c.l., Waverly, N. Y..lb. .40 - —
smaller lots, same basis..lb. .44 - .50
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.50 Nom.
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .17½- .18
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .65 - .80
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks..gal. .84½- —
l.c.l., works.....gal. .87 - —
tanks, works.....gal. .81½- —
Alphaterpineol, dms., c.l., works,
lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bls.....lb. .60 - .65
Alum, ammonia,[2] burnt, USP,
bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Alum, potash, gran., bbls., wks.
100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works..lb. .35 - .40
top grade, ground, kgs., works
lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls.,
dlvd..lb. .10½- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[6] com'l, bbls.,
c.l., works..lb. .08 - .08¼
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works,
lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works.....lb. .04 - —
tight, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis...lb. .03 - .03¼
smaller lots, same basis,
lb. .03¾- .04

Alumina, hydroxide, gal., USP purity, conc., 9-9½%, Al_2O_3,
fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec., bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..
100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald.
100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald.
100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works...
100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
trihydrate, heavy bgs., wks..
lb. .024 - .035
Aluminum, 98-99% [3,4,5], c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-dm..lb. .56 - .69
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .58 - —

Aluminum, powder, lining, extra fine, 150-lb. dm.....lb. .93 - —
ltthe, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm.....lb. .59 - —
rubber comp., 200-lb. dm...lb. .40 - —
unpolished, stand., 250-lb. dm.
lb. .36 - —
varnish, stand., 300-lb. dm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 300 lbs. or over.

Ambergris, gray, tins.....oz.13.50 - 14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, dms.....lb. 4.00 - —
bots. .....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald.
ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .16 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l......lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content).
ton.65.00 - —
Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld..lb. .43 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls, kgs...lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .31 - .35
dms. .....lb. .32 - .36
Carbonate, lump, dms.....lb. .08¼- .08¾
cns. .....lb. .14¾- .17⅛
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs..
lb. .13 - .18
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5 nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, bgs., c.l., shipping points..ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech, bgs., works.....100 lbs. 4.35 - 8.59
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .32
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .31 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08¼
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¾- —
l.c.l. .....lb. .08 - .08¼
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride,[6] bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .18½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 45%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 55%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycolate, 100%, bbls....lb. 7.10 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works...
100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works.
100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- .17
l.c.l., dlvd.....lb. .13 - .17⅛
tanks, dlvd.....lb. .11½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .75 - .90
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½- —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works...lb. 1.10 - —
Oleate, dms., works.....lb. .31 - —
Salicylate, bots.....lb. .80 - 1.25
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works...lb. .657 - .662
NF, bots.....lb. 2.10 - 2.35
cans .....lb. 1.90 - 2.25
Angelica root, dom., bls.....lb. .80 - .85
Angostura bark, bls.....lb. .20 - .21
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .28½- .29
Bulgarian, bgs.....lb. .29 - .29½
Mexican, recleaned, bgs.....lb. .18½- .19
Syrian, bgs.....lb. .20½- .21
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 2.90 - 3.00
Annatto,[6] paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .08¼- —
Anthracene, 80-85%, bbls., works.
lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinine, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17⅛
Needle,[1] Bolivian, brown, 67% cs..lb. .18½- —
Chinese, black, 70%, cs.....lb. .20 - .22

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Acetanilid is a versatile chemical. Produced by Dow to both U.S.P. and Technical standards, the former grade is widely utilized in the medical field where its characteristics as a sedative, analgesic, antipyretic, and as a mild local antiseptic, are particularly valuable. Its qualities as a preservative are effective in hydrogen peroxide and similar pharmaceuticals.

Acetanilid, Technical, is important in the manufacture of sulfanilamide and of all the other sulfonamides as well. It performs a vital part as an intermediate in the production of celluloid and various dyestuffs, and serves as an addition agent for cellulose ester coatings and lacquers.

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Some 10,000 pounds can be had at a low price.

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We have limited quantities available for prompt shipment.

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Some 12,000 pounds of this "red oil" to be sold for liquidation of inventory.

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Subject to prior sale, we can offer three carloads powder and one carload pearl, all packed in standard uniform bags.

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Antimony oxide,[1,6] bgs., ceramic grade, c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
paint grade, c.l.....lb. .16⅜- —
l.c.l. .....lb. .16¾- —
salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
sulphide,[1] 68-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls .....lb. .16 - .16¼
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots..oz. 12.25 - —
Argois, min. 70%, bgs., Argentine port, 100 kilos, 100% purity. 70.00 -72.00
Arnica flowers, bls.....lb. 2.45 - 2.50
Arrowroot, powd., bgs., bbls..lb. .10 - .10½
Arsenic,[6] metal, lump, c.l....lb. No prices
Chloride (arsenous), bots....lb. 1.55 - —
Iodide (arsenous), 5-lb. bote.lb. 5.58 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. .52 - .55
bots. .....lb. .60 - .64
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04⅝- —
Asafetida, cs.....lb. .45 - .68
powd., bbls., dms.....lb. .55 - .82
Asbestine (see Talk, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines. ton. 49.50 - —
5R, bgs., same basis.....ton. 44.60 - —
6D, bgs., same basis.....ton. 33.00 - —
7D, bgs., same basis.....ton. 28.50 - —
7F, bgs., same basis.....ton. 26.50 - —
7H, bgs., same basis.....ton. 22.50 - —
7K, bgs., same basis.....ton. 19.00 - —
7M, bgs., same basis.....ton. 16.50 - —
7R, bgs., same basis.....ton. 15.50 - —

Asphaltum, Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05⅝- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines..ton. 30.50 - —
Barbadoes, Dunellen, N. J...lb. .10¼- —
California, dms., c.l.....ton. 36.40 - —
l.c.l. .....ton. 41.40 - —
Cuban A, bulk, c.l., N. Y...ton. 60.00 - —
l.c.l., same basis.....ton. 90.00 - —
B, bulk, c.l., N. Y.....ton. 38.50 - —
l.c.l., same basis.....ton. 55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill..lb. .08 - —
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton. 32.90 - —
290-295° F. fusing point, bgs., mines..ton. 30.50 - —
270° F. fusing point, bgs., mines..ton. 30.50 - —
seconds, 370-390° F. fusing point, not uniform, bgs., mines..ton. 25.50 - —
300-330° F. fusing point, not uniform, bgs., mines. ton. 25.50 - —
jet, bgs., ton lots, gross wght., Colo. mines..ton. 30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton. 21.00 - —
l.c.l., same basis.....ton. 21.00 -28.00
tanks, same basis.....ton. 16.00 - —
Atropine, bots.....oz. 7.85 - —
Sulphate, bots.....oz. 6.50 - 6.75

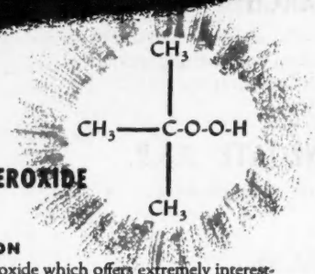
B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs.....lb. No stocks
Barbital, dms.....lb. 2.50 - 2.60
sodium, dms.....lb. 3.75 - —

Barium[6] carbonate, natural, 95% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works.....ton. 65.00 -75.00
bbls., c.l., works.....ton. 65.00 -75.00
l.c.l., works.....ton. 70.00 -80.00
Chlorate,[6] kgs.....lb. .56 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton 73.00 - —
l.c.l., same basis.....ton. 78.00 - —
bbls., c.l., same basis..ton. 75.00 - —
l.c.l., same basis....ton. 80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.83
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .09½- .11
l.c.l., works.....lb. .10 - .11⅛
Oxide, dms., c.l., works.....lb. .06 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide)
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis.....ton. 29.65 - —
ex whse., N. Y.....ton. 36.00 - —
paper bags, c.l., St. Louis..ton. 25.35 - —
l.c.l., same basis.....ton. 26.35 - —
ex whse., N. Y.....ton. 34.00 - —
Southern, off-color, bgs., mines, ton. 17.50 - —
95.75%, bgs., mines.....ton. 18.00 - —
Ore, approx. 94% $Ba SO_4$, bulk, mines..ton. 8.50 - —

Bauxite,[6] blk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .90 - .95
Root, bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works. ton. 11.00 - —
325 mesh, bgs., works.....ton. 16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .52 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .28 - .30
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .45 - .46
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.40 - 1.53
fib. dms.....lb. 1.40 - 1.43
Sublodide, bots.....lb. 4.10 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62 - 66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.76
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .13 - —
3, bgs., bbls., c.l., same basis, lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .06½- —
400A, bgs., bbls., c.l., same basis..lb. .06¾- —
457, bgs., bbls., c.l., same basis..lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[6] heads, compressed, bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06¼- —
Lamp, 1, ctns., works.....lb. .06¾- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .95 - 1.00
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton. 60.00 - —
l.c.l., works.....ton. 67.50 - —
direct process, bgs., c.l., works, ton. 70.00 - —
l.c.l., works.....ton. 75.00 - —
bbls., c.l., works.....ton. 75.00 - —
l.c.l., works.....ton. 80.00 - —
pulp, 66⅔%, bbls., c.l., works. ton. 40.00 - —
l.c.l., same basis.....ton. 46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.58 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
smaller lots, Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .70 - .80

Two PEROXIDES with Interesting Possibilities



* **t-BUTYL HYDROPERIDE**

GENERAL DESCRIPTION

A new, organic, alkyl peroxide which offers extremely interesting possibilities. It is standardized at a concentration of 60% (10.66% available oxygen). Use of the proper activators increases the rate of release of the oxygen.

SUGGESTED USES

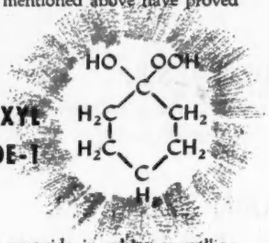
1. As a catalytic agent in one or two phase polymerizations. *t*-Butyl Hydroperoxide has proved to be an excellent catalyst for polymerizing Styrene, as well as certain Elastomers such as Buna S.
2. As an accelerator in the curing of snythetic resins.
3. As an accelerator in the vulcanization of certain synthetic rubbers.
4. As an oxidation agent for laboratory purposes
5. As a drying accelerator in oils, paint, varnishes, etc.
6. As a combustion accelerator for heavy fuel oils used in Diesel engines.

PROPERTIES

Molecular Weight		90
Specific Gravity @ 25° C. (60% concentration)		0.859
Boiling Range	"	90° to 107° C.
Freezing Point	"	-35° to -36° C.
Flash Point	"	18.3° C.
Refractive Index @ 25° C. (60% concentration)		1.3960
Available Oxygen	"	10.66%
Color	"	Water White
pH of 1 part 60% Conc. in 10 parts water		4
Stability		Completely stable up to 76.6° C.
Solubility:	60% concentration in water	11%
	Water in 60% concentration	5%
	In short chain aliphatics	Excellent
	In aromatics	Excellent

ACTIVATORS

Benzoquinone and other similar organic reducing agents have proved to be efficient secondary catalysts in polymerization reactions (when used in quantities up to 0.1% of *t*-Butyl Hydroperoxide), greatly increasing the efficiency of polymerization. When use requires quick release of oxygen, the same proportions of Benzoquinone mentioned above have proved efficient.



* **1-HYDROXYCYCLOHEXYL HYDROPERIDE-1**

GENERAL DESCRIPTION

A new, organic, cycloalkanyl peroxide in white crystalline solid form that is extremely stable at room temperature and possesses 12.13% active oxygen.

POSSIBLE USES

1. As a Mild oxydizing agent.
2. As a catalyst for various polymerizations.
3. As a bleaching agent.
4. As a drying accelerator in paints, oils and varnishes.
5. As the ingredient source of active oxygen in face creams and similar products.

PROPERTIES

Molecular Weight	132
Melting Point	76-78° C.
Active Oxygen	12.13%
Stability:	Excellent at room temperatures. Explodes only mildly when heated over a flame on a steel spatula.
Solubility:	Soluble in organic solvents. Insoluble in water.

Both of these interesting peroxides are nearly as new to us as they doubtless are to you. We have given above practically all the technical information concerning them known at present. *t*-Butyl Hydroperoxide is now in limited commercial production, and samples will be gladly sent anyone interested in investigating its possibilities. 1-Hydroxycyclohexyl Hydroperoxide-1 has been produced successfully in our laboratory on a small scale and can be made in commercial quantities if there is sufficient interest in the product. Samples will be gladly made up upon request. Address all inquiries to the Union Bay State Chemical Company, Peroxide Division, 50 Harvard Street, Cambridge 42, Massachusetts.

* U. S. Pats. 2176407, 2223807 & 2298405

UBS

UNION BAY STATE *Chemical Company*

Serving Industry with Creative Chemistry

ORGANIC CHEMICALS · SYNTHETIC LATEX · SYNTHETIC RUBBER
PLASTICS · INDUSTRIAL ADHESIVES · DISPERSIONS
COATING COMPOUNDS · IMPREGNATING MATERIALS · COMBINING CEMENTS

Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[2] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis....lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Iron, Chinese, bbls., same basis, lb. .36 - —
Milori, bbls., same basis...lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .28 - .27
job grades, bbls., same basis, lb. .12 - .18
reg. grades, bbls., same basis, lb. .17 - .37
Victoria, toner,[1] molybdic, bbls., lb. 3.15 -
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes

Blueflag root, bls.....lb. No stocks
Blue mass, NF, cns., tubs....lb. 1.29 - 1.46
powd., bots., cns., dms.....lb. 1.32 - 1.46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.38.50 - —
Chicago, works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[2] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld...ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., frt. alld....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP- $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobronyl thiocyanoacetate).
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[2] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works.lb. .03¾- .10¾
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., works.lb. .03 - .10
Umber, American, bbls., wks. lb. .03¾- —
Italian type, bbls., works.lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles.lb. .05½- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .72 - .73
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R., lb. .1895- —
l.c.l., frt. same basis, lb. .1945- —
tanks, same basis....lb. .1795- —

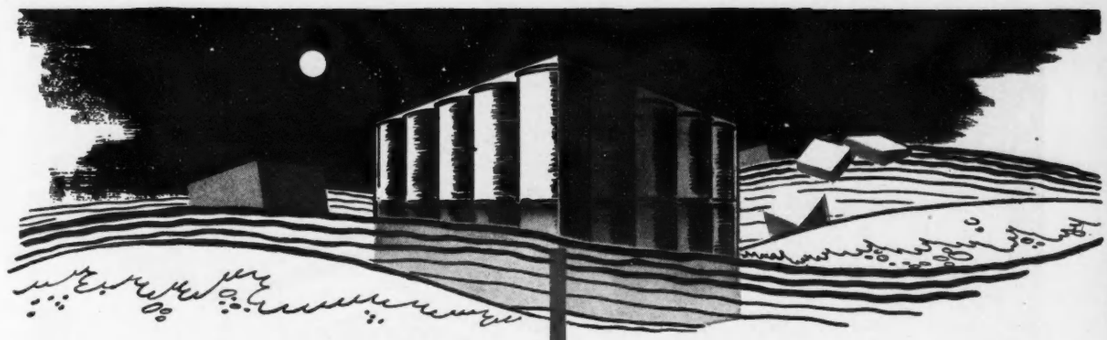
Butyl acetate, normal, ferment, other production, dms., c.l., same basis..lb. .1990- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16¾- —
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal dms., c., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., works....lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.66
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots.....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cns.....lb. 4.09 - —

Cadmium lithopone (see Yellow).
Metal,[1,4] pat. shapes, cs., dlvd., .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots .....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots .....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots .....lb. 2.05 - 2.80
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.90 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07¼- .08¼
Bromide, jars .....lb. .65 - .70
Carbide,[1,3] dms., c.l., works, ton.50.00 - —
dlvd. .....ton.87.00 -95.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper, bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd...ton.21.50 -25.50
5-ton lots .....ton.28.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .30
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -31.50
l.c.l., 15 tons, dlvd..ton.21.45 -25.45

Calcium chloride, solid, 73-75%, 5-ton lots .....ton.38.45 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.L. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .66
cns.....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.29 - —
10-lb. lots .....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.73.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06¼
tribasic, bbls., c.l., works.lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —



RCI P-376 BECKOSOL meets all tests for pro-coating food cans

New order from Quartermaster General finds RCI with right resin and a tested can coating formula.

The new order from the Quartermaster General—specifying the pro-coating of the exterior of all vegetable and fruit cans shipped to the South Pacific—finds RCI ready with both the fastest drying alkyd available and a can coating formulation tested to meet every strict requirement.

This formulation, utilizing P-376 Beckosol, has been expertly appraised in the testing laboratories of the Quartermaster General and is now being applied in production in canneries supplying South Pacific Armed Forces.

For complete facts about formulation and details of the requirements of the Quartermaster General's new order, write direct to the Sales Department in Detroit.

★Remember—*Your Salvage Program is Vital to Victory.*
WATCH FOR WASTE. *Save more than before*

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Calcium stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls. .....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works, lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[2] bbls., dms.....lb. 1.66 - 1.80
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works, lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .62 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 3.10 - 3.25
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Canadian, bgs.. lb. .68 - .70
Morocco, dewhiskered, bgs...lb. .69 - .70
Spanish, dewhiskered, bgs...lb. .70 - .72
Syrian, dewhiskered, bgs....lb. No stocks

Carbazole, 95%, dms., ton lots, works..lb. .79 - —
smaller lots, works.....lb. .80 - —
95%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] c.p., dms., c.l., lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld.....gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. .97 - —
5 or 10-gal. dms., c.l., alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½ gal. dms., c.l., gal. .88 - —
l.c.l. .....gal. .90 - —

Carbon tetrachloride, tech., Zone 4, 5 or 10-gal. dms., c.l., gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 4, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom,[1] bleached, bold, cs., lb. 1.18 - 1.25
medium, cs.....lb. 1.08 - 1.15
coorg clipped, cs.....lb. .60 - .62
decorticated, cs.....lb. .75 - .80
green, bgs.....lb. .60 - .62
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
Carvol, bots.....lb. 22.50 -23.00
Cascara sagrada bark, bulk....lb. .32 - .35
Case hardening mixture, 30%, gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .09¾- —
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24½- —
less than 20, same basis, lb. .24¾- —
rennet-precip., bgs., 100 or more same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —

Casein, dom., rennet-precip., bgs., lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .17 - .17½
rennet-precip., unground, bgs., 100 bgs. or more..lb. .19½- .20
Cassia,[1] .....lb. No stocks
Cassia fistula, bakts.....lb. .23 - .24
Castor beans, f.o.b. Brazilian ports..long ton.61.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton 2.90 - —
Castoreum, nat., cns.....lb.12.50 -13.00
synth., bots.....lb.19.00 - —
Catechol, CP, cryst., works, f.b. dms., tin..lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —
Catnep, bls.....lb. .65 - .66
Celery seed,[1] Indian, bgs.....lb. .17¾- .18¼
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis.lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02⅞- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.20.00 - —
Chamomile, Hungary type, cs..lb. .45 - .50
Roman, bls.....lb. No stocks
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton.30.20 - —
l.c.l., same basis.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..100 lbs. 2.85 - 3.85
l.c.l., works.....100 lbs. 3.10 - 4.10
tanks, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works..100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks. ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silk-bolt 99.9%, 325 mesh, bulk, c.l., works... ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[2,5,6] liquid, cyls., c.l.lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..... 100 lbs.2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.03 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
broken, bgs.....lb. .19 Nom.
yellow, quill, bgs.....lb. .19 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz. .80 + .13½*
sulphate, NF, cns., 100 ozs..oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs.oz. .60 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .43 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, bots.....lb. 2.70 - 2.80
dms. .....lb. 2.50 - 2.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.00 - 2.90
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment, jars.....lb. .91 - 1.11
Citronellal, bots., dms.. .....lb. 2.75 - 3.35
Citronellol, bots., dms.....lb. 6.00 - 7.00
Cloves,[1] Madagascar, futures, bls..lb. .16¾- .17¼
Zanzibar, bls., f.o.b. St. Louis. lb. .23 Nom.
Clover tops, red, bgs.....lb. .55 - .60
Coaltar,[6] coal-gas, crude, bbls., l.c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .88¾- —
feed grade, 49.5% Co., kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., kgs...lb. 1.65 - —
Chloride, kgs., works. .....lb. .87½- —
feed grade, 24.8% Co., kgs..lb. 1.25 - —

DEDICATED TO RESEARCH

DURING the first week of October, this doorway to the Whitemarsh Research Laboratories officially opened, and the new home of Penn Salt's Research and Development Department was formally dedicated.

Here will be continued the important work of Penn Salt's rapidly growing staff of chemists, engineers and other technologists. With greatly enlarged facilities, they will be well-equipped to bear a substantial share of the increased responsibility imposed on industry by wartime's fast changing economy. Materials, not even dreamed of yesterday, already have become commonplace. And still more remarkable things are in store for the world of tomorrow.

This great building symbolizes the transformation that is taking place in the field of practical research.

PENNSYLVANIA SALT MANUFACTURING COMPANY
1850 *Chemicals* 1944
1000 WIDENER BUILDING, PHILADELPHIA 7, PA.
New York · Chicago · St. Louis · Pittsburgh · Cincinnati · Minneapolis · Wyandotte · Tacoma

FORWARD TO A BETTER FUTURE WITH RESEARCH

Penn Salt products enter into the manufacture of chemicals for agriculture, water and sewage, metal industries, ceramics, glass, oil refining, pulp and paper, textiles, leathers, laundry and dry cleaning, aviation gasoline.

Cobalt hygrade,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .36
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —
Oleate, bbls. .....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
Soyate, 9%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs...lb. 1.00 - —

Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.

Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —

Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —

Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —

Codliver oil (see Oil, codliver).

Cohosh root, black, bls.....lb. .18 - .20
blue, bls. .....lb. .18 - .20

Colchicine, bots., cns.....oz. No stocks.

Cochicum seed .....lb. No stocks.

Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
flexible, USP, dms. .....lb. .21 - .32
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .60 - .65
Colombo root, bls.....lb. .19 - .20
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bg.....lb. .12 - .15
Copaiba balsam, Peru, cns....lb. .47 - .49
U. S. A., USP, cns.....lb. .50 - .52
Copper acetate,[6] cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride,[6] anhyd., bbls.....lb. .22½- .28
crystals, bbls. .....lb. .14½- .17
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots. .....lb. 5.15 - 5.19
Metal,[1,6] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[6] tech., cryst., bbls..lb. .19¼- .20¼
Oleate, precip., bbls.....lb. .22½- .28½
Oxide,[6] black, bbls., works..lb. .19 - .20
red, com'l, bbls.....lb. .21½- .24
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .15½- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, bgs., in dms., c.l., dlvd..100 lbs. 9.95 - —
l.c.l., same basis...100 lbs.10.95 - —
dms., c.l., dlvd., same basis, 100 lbs. 8.95 - —
l.c.l., same basis...100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25, works....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —

Copra, Coast, ship't.....lb. No prices
Coriander seed,[1] Indian, bgs..lb. No stocks
Morocco, bgs.....lb. .13¼ Nom.
Cornsilk, bls.....lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd..100 lbs.3.905 - —
slabs, bbls., c.l.....100 lbs.3.825 - —
Syrup, 42°, bbls., c.l....100 lbs.4.221 - —
43°, bbls., c.l.....100 lbs.4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 1.59 - —
gran., powd., dms., 50 lbs. or more..lb. 1.44 - —
Cottonroot bark, bls.....lb. .18 - .19
Cottonseed hull ash, 33-36% potash, bgs., dlvd..unit-ton. 1.00 - —
Meal,[1] 41% protein, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .85
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs. .....lb. .58½- —
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar, oil,[3] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .20 - —
tanks, works.....gal. .18 - .18¼
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys.....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10¼
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09½- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[6] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —

Cyclohexane prices are 1c. per lb. higher, frt. allds., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclohexanol, 98-100%, works..lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. allowed E.....lb. .30½- —
tanks, frt. allowed E.....lb. .29 - —

Cyclohexanone prices are 1c. per lb. higher, frt. allds., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclopropane, USP, cyls., dlvd., gal. .27 - —

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Dandelion root, bls.....lb. .40 - .45
Decanol,[6] normal, tech., dms., djvd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1,3] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls...lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .16 - 17
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Laicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¾- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Diamylamine, dms., c.l., djvd..lb. .2170- .2200
l.c.l., djvd.....lb. .2220- .2250
tanks, djvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP., bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic Coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns. works..lb. .2470- .2500
1-gal. cns., same basis..lb. .2670- .2700
dms., c.l., same basis....lb. .1940- .2330
l.c.l., same basis.....lb. .1990- .2380
tanks, same basis.....lb. .1840- .2230
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —

Dichloroethyl ether,[6] dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. allowed in E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .3020- —
l.c.l., dlvd.....lb. .3070- —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works. lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. allowed E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. allowed in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .14½- .15
Dimethyl phthalate,[6] dms., c.l., djvd..lb. .1875- —
l.c.l., djvd.....lb. .1925- —
tanks, djvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., djvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol)
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .32
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin,[6] dms., tons, djvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. allowed..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,6] dest. dist., dms., djvd. E..gal. .55 - .56
tanks, djvd. E.....gal. .45 - —
single dist., dms., djvd. E..gal. .56 - .58
tanks, djvd. E.....gal. .52 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .42 - .50
dms. .....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons, lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] bgs., ex dock.....ton.68.00 -70.00
Doggrass root, imp., cut, NF, bls..lb. .45 - .50
dom., bls.....lb. .36 - .45

SPOT DELIVERIES

SULPHUR

HEAVY CALCINED MAGNESIA

MAGNESIUM METAL POWDER

MENTHOL Not USP

BEECHWOOD CREOSOTE N.F.

ZINC CHLORIDE SOLID

CREAM OF TARTAR IMPORTED

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE •• NEW YORK 17, N. Y. • PHONE LE 2-9740

Dogwood bark, Jamaica, bls...lb. .08 - .10
Dover's powder, USP, cns.....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs andt cosmetics—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green, FD&C green, No. 1 cns. lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics—
Black, D&C black, No. 1, cns. lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
Red, D&C red, No. 8, cns...lb. 3.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —

Dyes, coaltar (certified colors for drugs and cosmetics)—
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns...lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.85 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[5].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202, Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
496 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct azcrin B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble) lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .50 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base.lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .57 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue:—
714 Patent blue A.....lb. 1.05 - 1.10
Brown:—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
332 Bismarck brown R..lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —
Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol Red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red:—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[5].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
798 Eosin G.....lb. 1.50 - —
841..Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).
Black:—
864 Nigrosin .....lb. .36 - .44
Blue:—
869 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Dyes natural (see name of article).

E

Echinacea root, bls.....lb. .90 - .95
Egg[1] albumen (see Albumen).
Yolk, dried, dom., bbls....lb. 1.06 - 1.12
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .58 - .59
Elecampane root, bls.....lb. No stocks
Elm bark, grinding, bls.....lb. No stocks
powd., bbls., bxs.....lb. No stocks
select, bndls.....lb. .50 Nom.
Emetine[6] hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 ozs..oz. .65 - —
Hemihydrate, bots., 100 ozs. oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots., gram. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.00 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l. .....lb. .08 - .09
Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Ergot, USP, dms.....lb. 1.40 - 1.45
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —
Ether, acetic ..see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10

Brake Fluid puts on "Battle Dress"

EVER since the introduction of hydraulic brakes, the cans in which Lockheed Hydraulic Brake Fluid is packed have been a familiar sight to American motorists.

But now, for service with the fighting forces, Lockheed Hydraulic Brake Fluid has donned "battle dress" . . . and is being shipped in olive drab containers for use in jeeps, command cars, and other motor vehicles.

The cans look entirely different . . . but they are the same in one important respect. For they are both made with the same care . . . by the same Crown organization! For as Crown served the Wagner Electric Corporation of St. Louis in days of peace, Crown serves them now when so much of their output of Lockheed Hydraulic Brake Fluid goes to war!

CROWN CAN COMPANY
NEW YORK • PHILADELPHIA
Division of Crown Cork and Seal Company
BALTIMORE, MD.

CROWN CAN

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U.S.I. CHEMICAL NEWS

October ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1944

U.S.I. Announces Two New Phenolics

Unusual Properties Exhibited by New "Arochem" Resins

Of timely interest to formulators of varnishes and vehicles for protective coatings, and to ink manufacturers and other resin users, is U.S.I.'s introduction of two phenolic-type resins, especially developed for present-day use with soft oils. Both of these resins are currently available for many civilian end-uses, although application must still be made, as usual, under W.P.B. Order M-246.

S&W Arochem 337

S&W Arochem 337 is especially useful in quick-drying varnishes, quick-drying enamels for either general or industrial use, floor paints, spar varnishes, over-print varnishes and printing inks. This high melting point, modified-phenolic resin imparts faster bodying rate, faster drying properties, superior resistance to alkali and water, and greater film hardness and mar resistance than most modified phenolics in varnishes of equivalent oil lengths.

Ease of handling is another feature. Although it has an exceptionally high melting point, it is readily soluble, without special cooking procedures in most high viscosity oils. In nearly all cases, the total resin and oil content may be charged into the kettle at the start and taken to top heat without any "kick-out" or formation of gel particles. Due to the short cooking schedules required, varnishes made with S&W Arochem 337 are light in color.

While this resin is too reactive to be used with tung oil alone, satisfactory varnishes may be produced by the addition of moderate amounts of less reactive resin or oil to the cook.

S&W Arochem 338

S&W Arochem 338 is particularly well suited for use in gloss ink vehicles and over-print varnishes as well as varnishes and enamels for general and industrial use.

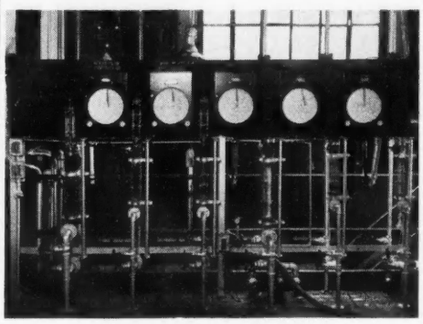
This resin, like S&W Arochem 337, is a modified phenolic, but it has a higher melting point, and being less soluble in solvents and oils, is more rapid in its bodying action. Developed primarily for use in printing inks and over-print varnishes, it produces ink vehicles of exceptionally high viscosity when cooked with linseed or other drying oils. This shortens the manufacturing holding times. Due to the unusually large molecular structure of the resin, the resulting vehicles dry to extremely

(*Continued on next page*)

Tonnage Production of Indalone Involves Novel Claisen Reaction

Manufacture of U.S.I.'s War Important Insectifuge Among First Large-scale Commercial Uses of this Type Condensation

Although every organic chemist has had laboratory experience with Claisen-type condensations, until recently only few have done much with these interesting reactions on a large commercial scale. The sudden demand for atebrin, sulfamerazine, vitamin B_1 and U.S.I.'s Indalone, as a result of the war, has focused wide attention on the tonnage production of such chemicals and has brought many developments of both present and postwar significance. First of these from the standpoint of tonnage is U.S.I.'s manufacture of Indalone, vital ingredient in the government's new all-purpose insect repellent.



Centralized control has played an important part in the successful tonnage-scale production of Indalone. Here you see one group of sensitive controllers, and recording instruments in U.S.I.'s Baltimore plant.

War Demands Met

Starting in the early 1920's with the first commercial production of acetoacetic ester, U.S.I. followed with the commercial-scale operation of a second Claisen reaction to produce sodium oxalacetate. This, in turn, was followed by the commercial introduction of Indalone in 1939. Tremendously stepped-up production of all of these products has been necessary to meet the huge war demands. This is particularly true of Indalone, production of which has been multiplied ten fold.

The reactions employed in the production of Indalone are shown on the next page. Mesityl oxide and dibutyl oxalate are first combined in a Claisen reaction using sodium butoxide as the condensing agent. This forms the sodium salt of Indalone which is then neutralized with dilute sulphuric acid. The process is carried out in the following stages.

Condensation Stage

Carefully measured quantities of mesityl oxide and dibutyl oxalate are added to the reaction vessel together with sufficient benzene to assure complete solution of the sodium salt of Indalone at the end of the reaction. After thorough mixing, a carefully measured quantity of sodium butoxide (in butyl alcohol solution) is added. The reaction vessel is equipped with heat exchangers.

Neutralization

After the reaction has been completed (12-24 hours) the alkaline crude is neutralized with diluted sulphuric acid. This operation is critical and in the past has always been done on a batch basis. However, it is now being done

(*Continued on next page*)

Finds New Short Cut to Zein Solutions

Current practice in preparing zein solutions calls for use of dry extracted zein to which is added a suitable solvent. Production of dry zein is a laborious and costly process involving the separate steps of precipitation, filtering, settling, washing and drying.

A newly patented process claims to greatly simplify the production of zein solutions and coating compounds by preparing them directly from the corn gluten. In the new method the granular or powdered gluten is first treated with a low boiling point zein protein solvent such as ethanol, or a mixture of such solvents.

Next the extract solution is separated from the residual gluten by filtration or centrifuging, and is then mixed with a base solvent of relatively high boiling point, such as ethylene glycol. Distillation removes the low boiling extracting solvent, leaving behind the zein dissolved in the base solvent and ready for use.

RESIN SPECIFICATIONS

	S&W AROCHEM 337	S&W AROCHEM 338
Acid Number:	30-40	25-35
Melting Point: (Mercury)	150-160°C.	160-170°C.
Color:	N-K	N-K
Specific Gravity:	1.1	1.1
Soluble in:	Coal-tar and petroleum hydrocarbons and the usual solvents; in oils, both high and low viscosity.	Coal-tar hydrocarbons and lacquer solvents; medium and low viscosity oils.

NOTE: S&W Arochem 337 is insoluble in ethyl alcohol. S&W 338 is insoluble in petroleum hydrocarbons, although solutions will tolerate a high proportion of these solvents; it is completely insoluble in ethyl alcohol.

U.S.I. Names M. F. Martin Asst. General Sales Manager

Mr. Milton F. Martin, associated with the Sales Department of U.S.I. since 1935, has been appointed Assistant General Sales Manager. For the past six years, Mr. Martin has been assistant to Mr. L. A. Keane, Vice-President in Charge of Sales.

Milton F. Martin

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October ★ **U.S.I. CHEMICAL NEWS** ★ 1944

Novel Use of Solvents Improves Moulded Plastics

Color, transparency, and strength of certain transparent moulded plastics, formerly was impaired by small quantities of unreacted olefin and catalyst residue remaining after the reaction was completed. These impurities caused opacity after moulding and adversely affected the mechanical strength of the moulded article.

According to the claims appearing in a recent patent on olefin-sulphur-dioxide resins, a new process entirely eliminates these detrimental features. Crude olefin-sulphur-dioxide resin, in finely divided form, is treated with a blast of air or inert gas carrying vapors of a resin solvent such as acetone. The solvent penetrates the fine resin particles, and softens them.

Best moulding results are obtained when minute traces of the vaporized solvent are allowed to remain in the resin until it is moulded. According to the inventor, articles moulded from the new resin possess greater transparency and strength, and due to absence of unreacted ingredients, do not undergo a secondary reaction which changes their color after moulding.

Two New Phenolics

(*Continued from preceding page*)

hard, tough films with maximum "hold-out" and gloss.

In the production of varnishes and enamels, S&W Arochem 338 usually requires special cooking when used with most pre-bodied oils, and is too rapid in its bodying action for use with oils like tung, without modification. Thus Arochem 337 is generally preferred for these products.

U.S.I. will be glad to send samples and further data on both resins to anyone interested.

New Hydroscopic Ink For Recording Meters

One problem presented by recording meters of various kinds has been to find an ink which in the recorder pen will be able to withstand considerable exposure to the atmosphere without thickening or clogging, regardless of outside temperature or humidity, yet be fast drying after application.

A recent patent calls for a combination of a brilliant red dye with a tartrazine yellow for luminosity in a medium composed of water, ethanol, glycol and acetic acid. The hydroscopic effect of the glycol tends to absorb moisture from the air, thereby preventing the ink in the recorder pen from drying out. However, once the line is traced on the paper chart, the glycols are readily absorbed by the paper, thus producing a fast-drying ink. The acetic acid is added as a preservative.

Tonnage Production

(*Continued from preceding page*)

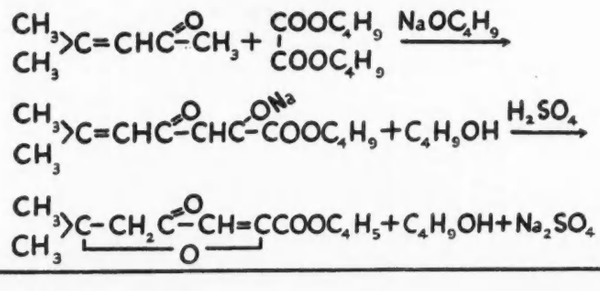
with complete success using a continuous method developed at U.S.I.'s Baltimore plant.

Distillation and Recovery

The neutralized crude obtained from the above step is stripped of volatile solvents — benzene, butanol, and water — by a series of continuous vacuum distillation columns. The benzol and butanol are subsequently refined and returned to succeeding condensations. The stripped crude contains Indalone and a small amount of tars. The Indalone is recovered from the stripped crude by a continuous flash-distillation process, operating at 2 to 4mm. Hg. absolute pressure.

Approximately 90% of the Indalone is recovered in the flash-distillation process. The remaining 10% is present in the tar residue withdrawn continuously from the process. The Indalone present in these tars is recovered by a batch, low-pressure distillation process.

SYNTHESIS OF INDALONE



TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A water-resistant resin adhesive has been developed for use in mounting and over-coating paper and for other industrial applications where moisture resistance is needed. It is claimed that this new, clear adhesive will withstand a 48 hour immersion test, and that its long wet-life prevents paper wrinkling, makes registration easy. (No. 859)

U S I

Flame-proofed felt for vibration damping and insulation in high-temperature areas has been announced. It is claimed that this chemically treated felt can be exposed to the direct flame of a bunsen burner without either combustion or after glow. (No. 860)

U S I

A new rust-removing compound is claimed to facilitate pre-painting preparation of metal surfaces. The crystals of the preparation are said to become part of the metal and to be paint absorbent. (No. 861)

U S I

A tackifier for synthetic rubber, which is said to have added use as an extender, has been announced. The new product is claimed to be soluble in aromatic hydrocarbons, vegetable and mineral oils, and synthetic rubber. Some tack remains after vulcanizing. (No. 862)

U S I

Rubber heel marks and dirt may be removed from wood, cement and linoleum floors by a new cleaner, according to its manufacturer. (No. 863)

U S I

New flux for brazing preparation of cast iron, has been developed. It is said to produce a uniformly successful tinning prior to brazing. (No. 864)

U S I

A non-slip liquid wax, which, according to the manufacturer, requires no buffing and which may be applied with cloth, mop or spray equipment, has just been put on the market. (No. 865)

U S I

Two new protective creams have been designed to protect worker's hands. One is water soluble for dry work; the other is for protection where water and mild chemical solutions are present. (No. 866)

U S I

New dye for vinylite plastics, designed for dip application is available in yellow, orange, rose and green. A dip of 5 seconds is claimed to give a pastel shade, while a 60 second dip gives deep tones. (No. 867)

U S I

A new plastic resin adhesive, said to be colorless, of low viscosity and water-soluble, has been placed on the market. It is intended to be used with a co-agent in laminating and sizing textile fabrics and paper. (No. 868)

U.S.I INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., NEW YORK 17, N. Y. — BRANCHES IN ALL PRINCIPAL CITIES

CHEMICALS · RESINS · ANTI- · SOLVENTS · ALCOHOLS · FREEZE · USI SERVICE TO INDUSTRY

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Ethanol (Ethyl Alcohol)
Specially Denatured—all regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
ANSOLS
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate
OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate
PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate
ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.
RESINS
Natural
Synthetic

ACETONE
Chemically Pure
FEED CONCENTRATES
*Curbay B-G
*Curbay Special Liquid
*Vacotone 40
OTHER PRODUCTS
Collodions
Ethylene
Ethylene Glycol
*Indalone
Nitrocellulose Solutions
Urethan

Registered Trade Mark

Ether, sulphuric, conc., dms..lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[1,6] 85-90%, dms., c.l., frt. alld..lb. 11.70- 12.75
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld.. lb. .1225- .1335
l.c.l., frt. alld.....lb. .1370- .1335
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15¼
Acetoacetate, dms., c.l., works, lb. .87½- —
l.c.l., frt. alld.....lb. .88 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E....lb. .58 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.25 - 3.35
Formate, dms., f.o.b. Agnue, Calif..lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. .75 - 1.25
Oleate, dms., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, same basis....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld..lb. .0342- —
West of Rockies, same basis..lb. .0901- —
l.c.l., works, E. of Rockies, same basis..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0743- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol,[3,6] dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether,[6] d m s., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, d m s., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., dms.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, d m s., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmorphine hydrochloride, bots..oz. 10.50 -10.75
Ethyldinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more, lb. 5.25 - —
smaller lots.....lb. 5.50 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .18

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton. 14.00 -17.50
bgs., min., 2 tons.....ton. 17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 - 12.25
bgs., l.c.l., min. 2 tons..ton. 12.75 -16.25
pottery, bulk, c.l., works...ton. 17.00 -19.00
l.c.l., bgs., min. 2 tons..ton. 20.00 -22.00
Fennel seed, Argentine, bgs....lb. No stocks
Indian, bgs.....lb. .16½ Nom.
Fenugreek seed, domestic, bgs.lb. .20 - .20½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Ferric sulphate, anhyd., bgs., c.l., works..ton. 35.00 - —
l.c.l., same basis.....ton. 40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —
Fir balsam, Canada, cns.....gal. 19.00 -20.00
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fisholls (see Oil, fishliver).
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton. 72.50 - —
65% protein, same basis..ton. 78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast..ton. 66.50 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .70 - .73
Indian, blonde, bgs.....lb. .14 - .15
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton. 37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton. 33.00 - —
65%, mines.....net ton. 32.00 - —
60%, mines.....net ton. 31.00 - —
less than 60%, mines..net ton. 30.00 - —
Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0320- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .70 - .75
Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines.. ton. 8.50 -15.00
Tex. mines.....ton. 12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp., bgs., c.l.....ton. 30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15½- —
l.c.l., works.....lb. .18 - .25½
tech., dms., contracts, 150,000 lbs. .10 - —
c.l., works.....lb. .13 - —
l.c.l., works.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works,gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic, cryst., No. 1, bbls....lb. .32 - —
No. 2, bbls.....lb. .30 - —
No. 3, bbls.....lb. .28 - —
extract, No. 1, bbls.....lb. .16 - —
No. 2, bbls.....lb. .15 - —
No. 3, bbls.....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .30 Nom.
Gambier, cube, Singapore, cs., lb. No stocks
extract, bbls.....lb. No stocks

Gasoline[1] at refnery, ex tax:—
Arkansas, US motor, 70-74 octane, tanks..gal. .05⅞- —
Bayonne, 70-74 oct., tanks... gal. .09075- —
Gulf Coast, US motor, 70-74 octane, tanks..gal. .05¾- .06½
Group 3, 70-74 octane, tanks, gal. .06½- .06⅝
natural, 26-70, tanks....gal. .04¾- .05
Oklahoma-Texas, US motor, 70-74 octane, tanks..gal. .05⅞- .06
Pennsylvania, western, U. S. motor 70-74 octane, leaded, tanks..gal. .07¾- .0895
Gelatin, silver, label, ctns., dlvd. lb. .90 - .97
export, cases.....lb. 1.00 - —
Silver gelatin prices 5c. higher for deliveries in:—Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., and Wyo.
Gelsemium, root, bls.....lb. .23 - .25
Gentian root, bls.....lb. .41 - .42
grd., bbls., bxs.....lb. .46 - .47
powd., bbls., bxs.....lb. .47 - .48
Geraniol, 92-96% cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs.....lb. .27 - .27½
Cochin, bleached, bgs.....lb. .28 - .29
unbleached, bgs.....lb. .23½- .24
Jamaica, No. 1, bgs.....lb. .30 - .31
No. 2, bgs.....lb. .26½- .27
No. 3, bgs.....lb. .23½- .24
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., c.l., works, 100 lbs. 1.05 - 1.25
l.c.l., 5 tons up, works.... 100 lbs. 1.15 - 1.35
less than 5 tons, works. 100 lbs. 1.25 - 1.45

Glue, bone,[6] producers,' calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/38, bgs., c.l., same basis..lb. .15½- —
58/82, bgs., c.l., same basis..lb. .17 - —
82/108, bgs., c.l., same basis..lb. .18½- —
Producers' bone glue l.c.l. prices 1c. over c.l.
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. over c.l.; bbls. ½c. over bags.
Glycerin, crude, saponification, 80%, to refiners, tanks..lb. .11¼- —
soaplye, 80%, tanks.....lb. .10 - —
Glycerin, dynamite, dms.. c.l..lb. .14½- —
l.c.l. .....lb. .15 - —
tanks .....lb. 14¼- —
high gravity, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15 - —
tanks .....lb. .14¼- —
ref., USP, CP, 95%, dms., c.l., lb. .15½- —
l.c.l. .....lb. .15⅝- —
tanks .....lb. .15 - —

Glycerin, ref., B.P., 98%, dms., c.l..lb. .15¾- —
l.c.l. .....lb. .16¼- —
tanks .....lb. .15½- —
yellow, distilled, dms., c.l...lb. .15⅝- —
l.c.l. .....lb. .15⅞- —
tanks .....lb. .14½- —
Zone C, territory west of Zone B.
Glycine, medicinal, bbls., tins.lb. 1.25 - 1.30
Glycol borbsorate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride, acid-brown, bots., oz. 20.75 -21.00
acid-yellow, bots.....lb. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 -14.75
Goldenseal, root, bls.....lb. 7.00 - 7.50
powd., bxs.....lb. 7.25 - 7.75
Grains of Paradise, bgs.....lb. .30 - .37
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., works..lb. .04½- —
70-75% bgs., same basis..lb. .05 - —
75-80%, bgs, same basis..lb. .05½- —
80-85%, bgs., same basis..lb. .06 - —
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content 85-90%, bgs., same basis..lb. .07 - —
90% and up, same basis..lb. .08 - —
Grease,[1,3] house, loose.....lb. .08¼- —
white, choice, loose.....lb. .08⅝- —
Wool (see Adeps lanae and Degras).

HOW WE MAKE

Armour's Glue

AND WHAT IT MEANS TO YOUR PRODUCTS

From these giant dryers comes Armour's famous animal glue!

This big battery of dryers is scientifically designed to utilize completely conditioned air. In other words, both the temperature and the humidity may be controlled at any predetermined value over a wide range for the required operating procedure.

Each dryer is *regulated precisely* to that set of conditions which insure perfect drying. For the glue entering the drying bins in a jelly-like state mustn't melt before it develops a protective skin.

Once this skin is formed, the temperature of the air in the system is raised gradually to create a higher moisture-carrying capacity. This is done for faster drying. Even the velocity of the air must be carefully controlled to prevent over or under-drying. And all these things are checked and double checked continuously while every batch is processed.

What does this drying process mean to your product?

This process . . . and every other step in the making of Armour's Glue . . . is carried out under scientific control to produce better glue for your products.

That's why Armour's Glue is clean, clear, uniform. Why it has the high jelly strength, viscosity and tensile strength you need and can depend on.

At present, the demand for certain grades of Armour's Glue is greater than the supply. And while we may be unable to send the exact grade you want, we'll be glad to discuss your problems with you with a view of helping you make *more efficient use* of glue that is available.

Glue it for good with Armour's

ARMOUR *Glue* DIVISION

Manufacturers of Hide Glue, Bone Glue, Flexible Glues, Soluble Dried Blood, Blood Albumin

1355 WEST 31ST STREET, CHICAGO 9, ILLINOIS

Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis.....lb. 3.25 - —
Chrome,[7] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
11-15%, bbls., same basis..lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis, lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis, lb. .19 - —
70%, bbls., same basis....lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Green, chrome oxide,[6] pure, dms., works..lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works..lb. 3.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls.....lb. .20 - .22
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, carbonate, fib. dms..lb. 2.40 - 2.74
liquid, dms.....lb. 1.75 - 2.01
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
smaller lots.....lb. .58 - .73½
Guarana, powd., cs.....lb. No prices
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Gum, arabic, amber, sorts, bgs., lb. .11½- .13
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 3.00 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55¾- —
31, bgs., same basis....lb. .21½- —
32, bgs., same basis....lb. .15¾- —
Gum, copal, Congo, sorted, 33, bgs., same basis..lb. .14 - —
34, bgs., same basis....lb. .09¼- —
No. 35, bgs., same basis.lb. .15⅞- —
36, bgs., same basis....lb. .12⅝- —
37, bgs., same basis....lb. .18½- —
38, bgs., same basis....lb. .12¼- —
39, bgs., same basis....lb. .10⅝- —
40, bgs., same basis....lb. .08 - —
41, bgs., same basis....lb. .11⅝- —
unsorted, No. 1, bgs., same basis..lb. .14⅜- —
2, bgs., c.l., same basis..lb. .12⅝- —
3, bgs., c.l., same basis..lb. .11¼- —
FAD, bgs., c.l., same basis, lb .14⅜- —

Prices for l.c.l., ¼c. to ½c. higher than c.l.
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10¾- —
unscraped, same basis.lb. .09 - —
chips, same basis....lb. .12 - —
dust, same basis....lb. .06½- —
nubs and chips, same basis.. lb. .05¾- —
black, bold, scraped, bgs., ex dock or port, whse..lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis.. lb. .17⅜- —
chips, same basis....lb. .11½- —
dust, same basis.....lb. .05½- —
nubs, same basis....lb. .13⅜- —
Singapore, Rasak, bold, bgs., same basis..lb. .22⅜- —
chips, same basis....lb. .11¾- —
dust, same basis....lb. .06½- —
nubs, same basis....lb. .16¾- —
Gum, copal, Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅜- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¾- —
WS, bgs., same basis....lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bakts, c.l., same basis..lb. .13½- —
dark, light, same basis.. lb. .14¼- —
white, same basis....lb. .15¼- —
loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09¼- —
DU, same basis.....lb. .08¾- —
dust, same basis.....lb. .07¾- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15½- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l., lb. .06¾- —
Philippine,[1] Manila, extra bold, pale scraped, bakts., same basis..lb. .15 - —
sorts, same basis.....lb. .12¾- —
pale chips, bold, same basis. lb. .13 - —
nubs, WCB, same basis. lb. .13¾- —
seeds, dust, same basis...lb. .08¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23¾- —
mixed, same basis.....lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .18 - —

Gum copal, l.c.l., prices ¼c. to ½c. highe
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¾- —
A/D, same basis.....lb. .28¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34¾- —
C, same basis.....lb. .28¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3 bgs., same basis..lb. .12¾- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¾- —

Gum dammar, l.c.l. prices, ¼c. to ½ higher.

Elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09½- .09
Ester, ord., dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .09½- —
other points, dlvd.....lb. .10 - .11
l.c.l., dlvd. Ill., Ind., etc.. lb. .09¾- .10
other points, dlvd.....lb. .10½- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.. lb. .18 - —
80%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
higher.
No. 2, extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis.lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —

Gum kauri, l.c.l., prices are ¼c. to ½
Locust bean, powd., bbls...lb. .68 - .70
Mastic, cs.....lb. 5.00 Nom
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .12
tears, cs.....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs.....lb. .99¼- —
Scammony, cs.....lb. 1.30 - 1.35
Taiha, bgs.....lb. .10 - .12
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 4.00 - 4.50
No. 3, cs.....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.. ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —

Maybe it's natural to rest a bit on today's sales laurels. Pleasant dreams!

But when the awakening comes, competition may be pounding around the sales curve way out in front. That is, unless you're planning a product surprise or two today — for tomorrow.

If you haven't studied the potent possibilities of product improvement available through the use of Nimco Brand Lanolin, Degras and other grades of wool fat, this is the time to begin your experiments.

The facilities and the know-how that have made Malmstrom America's Largest Supplier of Lanolin and Degras are available to you, together with samples, should you prefer to conduct your own tests.

America's No. 1 Choice Because It's 5 WAYS BETTER

MALMSTROM · NIMCO BRAND · LANOLIN

1. LOWEST *ODOR* VOLUME
2. GREATER *UNIFORMITY*
3. BETTER *COLOR* QUALITY
4. SMOOTHER *TEXTURE*
5. FINER *BODY* CONSISTENCY

N. I. MALMSTROM & CO.

America's Largest Suppliers of { LANOLIN • Anhydrous U.S.P. • Hydrous U.S.P. • Absorption Base • Technical
DEGRAS • Neutral and Common • WOOL GREASES

147 LOMBARDY STREET • BROOKLYN, NEW YORK

Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N. Y., Blue Rapids, Kan., Clarence Center, N. Y.; Fort Dodge, Ia., Southard, Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Rotton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs......lb. .60 - .65
Heliotropin, cryst., cns......lb. 3.75 - 4.00
Hellebore, white, powd., bbls...lb. .46 - .47
Helonias root, bls......lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[1,9] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. .90 -1.00
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[3,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots.....lb. .26 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots.....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3....gal. .55 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots. oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit 4.50 - 4.75
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls......lb. No prices
Hydrastine, bots......oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.29.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastic (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[4] USP, bbls., lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.20.00 -37.50
Hydrobromide, bots.....oz.20.00 -37.50
Sulphate, bots.....oz.20.00 -37.50
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Icthammol, N. F., bots.....lb. 2.45 - 4.30
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.29
synth., paste, bots.....lb. .14½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.23.00 -24.00
Insect flowers (see Pyrethrum)
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs., net.....lb. 1.28¼ - —
resubl., 5-lb bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ipecac[4] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd.....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. lb. .03½- .04
kgs., works, frt. alld..lb. .04 - .04½
USP X, cryst., lump, bbls..lb. .07½- —
dms.....lb. .08½- —
solut., NF, cbys., works, frt. alld. or equald..lb. .06½- .07½
djns.....lb. .10 - —
Citrate, USP VIII, gran., dms.lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .39 - .53
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Oxide, black (see Black Iron oxide).
Phosphate, ferric, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms., lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms.....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —

Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms......lb. .49 - .52
Oxalate,[6] bbls......lb. .23½- —
dms., kgs......lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl triocyanoacetate, cbys., dms., extra, works..gal. 4.95 - —
Isobutyl acetate,[6] dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks.....lb. .04½- —
Isopropylamine, dms., works...lb .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .39 - .40
powd., bbls., bxs.....lb. .46 - .47
Resin, lump, cns.....lb. 3.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .70 - .85

K

Kamala, tins.....lb. .40 - .45
Kaolin (see China clay)
Kava kava root, bls.....lb. .23 - .24
Kerosene at refinery:—
Ark., 41-43 w.w., bulk, tanks, gal. 04¼- .04¼
Bayonne, 41-43 w.w., tank... gal. .071 - —
Kerosene, at refinery, Gulf ports, 41-43 w.w., bulk..gal. .04¼- .04½
Okla.-Texas, 42-44 w.w. tanks, gal. .04¾- .04¾
Penn., 45 w.w., tanks....gal. .07½- .08
46 w.w., tanks.....gal. .07¼- .07⅝
47 w.w., tanks.....gal. .07¾- .08
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.40 - 1.45
Lanolin (see Adeps lanae).
Lard,[1,5] pure, ref., trcs.....lb. .1522½- —
Chicago.....lb. .1455- —
Larkspur seed, bgs.....lb. 3.25 - 3.50
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .30 - .31
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .18 - .18½
Turkish, bls.....lb. .34 - .35
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1,5] (metal) (see paint market).
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] paste, standard, cns., c.l..lb. .05¾- .06
l.c.l.....lb. .06 - .06½
powder, basic, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l.....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l.....lb. .19 - .23
standard, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
l.c.l.....lb. .11½- .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
Lead arsenate, standard, 1-lb. ctns., c.l..lb. .18 - .22
l.c.l.....lb. .18½- .23½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, powd., bots..lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-30% Pb, 50-gal. dms..lb. .14¼- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .23 - —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —

LANOLINE

and Woolgrease consumers are no longer required to file for allocation on Forms FDA 477 and 478.

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Effective October 1, 1944, FDO 76 has been amended enabling users of Wool Fat products excepting manufacturers of cosmetics, mechanics' hand soaps and non-military fur dressings, to obtain deliveries by forwarding properly certified orders directly to their supplier.

•

Inventories are restricted to one month's supply based on current rate of consumption.

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If we can be of any service in this connection please communicate with us.

ROBINSON WAGNER CO., Inc.

REFINERS OF LANOLINE & WOOLGREASE

110 EAST 42ND STREET, NEW YORK 17, N.Y.

Lead, red, dry (95%, Pb_3O_4, or less, bbls., l.c.l., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc.lb. .10¾- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97%, Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¼- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala. lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd. Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
In oil, 95% min., kgs.....lb. .14 - —
Resinate, precip., 23.3% Pb., 160-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0780- .0780
Soyate, 26.15% Pb. 50-gal. dms. lb. .22¼- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white, basic sulphate).

Lead tallate, 10% Pb, 60-gal. dms..lb. .08¼- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .06½- —
dlvd., other points..lb. .08¼- —
l.c.l., dlvd. Ariz., etc.lb. .06¾- —
other points.....lb. .08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07½- —
Lead, white, in oil, consumers, kgs..lb. .13¼- .13¾
dealers, 100-lb. kg.....lb. .11¼- .11½
painters, 100-lb. kg.....lb. .12¼- .12½
Lecithin, edible, dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
in cocoa butter, dms., c.l....lb. .39½- —
l.c.l.....lb. .40¾- .50
pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls....lb. .12 - .14
powder, bbls.....lb. .18 - .20
Russian, bls.....lb. .08½- .09
Spanish, bls.....lb. .12 - .18

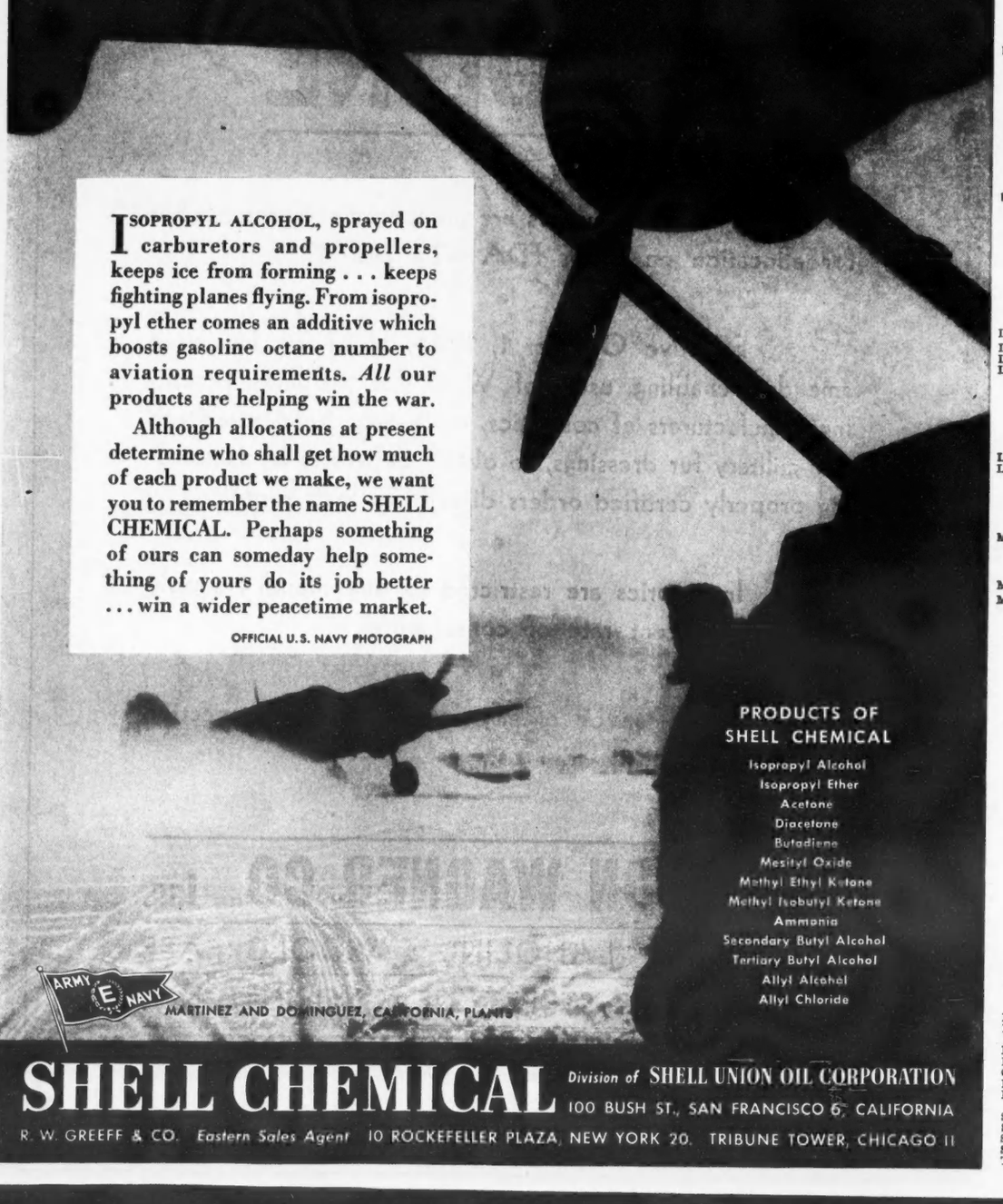
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —

Lime, hydrated, Hannibal, Mo., ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potosikey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D..ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J.....ton. 9.00 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen,[4] 20.5% N, bgs., works..ton. No stocks
Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, cns.....lb. 3.25 - 3.75
Linden flowers with leaves, bls.. lb. .95 - 1.00
Linseed meal,[1] 34%, bulk, c.l.ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
Litharge, com'l powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium[4] bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. .50 - —
Lithopone,[1] ordinary, bgs. (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[4] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .85 - .95
Lobelia herb, bls.....lb. 1.00 - 1.05
Lobelia sulphate, bots., wks..oz.25.50 -38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23¼- —
No. 2, bxs.....lb. .21½- —
Lupulin, NF, tins.....lb. 7.00 -10.00
Lycopodium, USP, cs.....lb. 2.75 - 3.00

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .61 - .62
broken, bgs.....lb. .55 - .56
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .16
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .06½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .06½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¼- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.
Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —

Liquid overcoats for carburetors from SHELL CHEMICAL



ISOPROPYL ALCOHOL, sprayed on carburetors and propellers, keeps ice from forming . . . keeps fighting planes flying. From isopropyl ether comes an additive which boosts gasoline octane number to aviation requirements. *All* our products are helping win the war.

Although allocations at present determine who shall get how much of each product we make, we want you to remember the name SHELL CHEMICAL. Perhaps something of ours can someday help something of yours do its job better . . . win a wider peacetime market.

OFFICIAL U.S. NAVY PHOTOGRAPH

PRODUCTS OF SHELL CHEMICAL

Isopropyl Alcohol
Isopropyl Ether
Acetone
Diacetone
Butadiene
Mesityl Oxide
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Ammonia
Secondary Butyl Alcohol
Tertiary Butyl Alcohol
Allyl Alcohol
Allyl Chloride

ARMY E NAVY
MARTINEZ AND DOMINGUEZ, CALIFORNIA, PLANTS

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA

R. W. GREEFF & CO. *Eastern Sales Agent* 10 ROCKEFELLER PLAZA, NEW YORK 20. TRIBUNE TOWER, CHICAGO 11

Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —
dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .23 - .26
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works.ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
85-90%, paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, 50-gal. dms.. lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¼
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account.....ton.70.00 - —
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Mid-west shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .29 - .30
California, French type, bls., f.o.b. Pacific Coast..lb. .45 - .47
Chilean, bls.....lb. .32 - .33
Portuguese, wild, bls.....lb. .30 - .31
Matico leaves, bls.....lb. .22 - .29
Menthol,[1] natural, Brazil, cs..lb.15.50 -16.75
synthetic, USP, cs.....lb.13.00 - —
technical.....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10% tubs..lb. .70 - .72
30%, pails.....lb. 1.19 - 1.21
50,% pails.....lb. 1.54 - 1.56
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[3] (see Corrosive sublimate).
Bisulphate,[3] dms.....lb. 2.15 - 2.17
Chloride,[3] (see Calomel).
Cyanide,[3] cryst., powd.....lb. 3.34 - —
Iodide,[3] red, NF, dms., kgs.lb. 3.90 - —
yellow, fib. dms., kgs.....lb. 4.00 - —
Nitrate ointment (see Citrine ointment).
Oxide,[3] NF (see Red precipitate).
tech. (see Red, mercury oxide)
yellow, NF VI, fib. dms..lb. 2.34 - 2.36
red,[3] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[3] 5-lb. ctns.lb. 1.49 - 1.54
dms.....lb. 1.42 - 1.44
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

synthetic,[3,6] dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., dlvd. lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd. lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —

Methyl acetate, tech., dms., l.c.l., E. of Miss..lb. .07½- .11
W. of Miss.....lb. .08½- .10¾
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.: Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash

synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —

Methyl acetone, synth., dms., l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 4.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. ., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate,[6] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl. mach. mfrs. and jobbers..lb. .36 - —
service men and consumers. lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers. lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Methyl cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., c.l., dlvd.....lb. No stocks
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .58 - —
100 to 1,999 lbs., frt. alld. lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, medicinal, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .16 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10

GREATER *Hiding* POWER

WITH CALCO RUTILE TITANIUM DIOXIDE*

With wartime availability of Titanium Dioxide pigments limited, every paint manufacturer should consider the three major advantages of the Rutile type Titanium Dioxide over the Anatase type.

Calco's pure Rutile Titanium Dioxide has 20 to 35% more tinting strength and opacity than the Anatase type. This extra tinting and hiding power brings another advantage—Rutile combines better with darker-colored vehicles of poorer inherent wartime color value than Anatase and masks more effectively. Advantage number three shows a more brilliant color stability in baking enamel when Rutile Titanium Dioxide is used, especially when there's a tendency toward discoloration in baking or aging.

*UNITANE O R—150...Water dispersible for aqueous paints.

UNITANE O R—250 . . . Interior paints and free chalking exterior paints.

UNITANE O R—350 . . . Exterior paints and high temperature baking enamels.

COLORS BY CALCO

CALCO CHEMICAL DIVISION • AMERICAN CYANAMID COMPANY

Pigment Department Newark 5, N. J.

New York • Boston • Philadelphia • Buffalo • Cleveland • Cincinnati

Pittsburgh • Detroit • Los Angeles • Chicago • Oakland • Seattle • Portland

Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —
Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .03¾ - —
l.c.l. .....lb. .04¼ - —
1,000 mesh, bgs., c.l.....lb. .03¾ - —
l.c.l. .....lb. .04¼ - —
white, 1,000 mesh, bgs., c.l.. lb. .03¾ - —
l.c.l. .....lb. .04¼ - —
paint or lacq., c.l., bgs....lb. .04¾ - —
l.c.l. .....lb. .05¼ - —
paper, bgs., c.l.....lb. .04¾ - —
l.c.l. .....lb. .05¼ - —
rubber, c.l., bgs.....lb. .04½ - —
l.c.l. .....lb. .05 - —
wallpaper, bgs., c.l.....lb. .04¾ - —
l.c.l. .....lb. .05¼ - —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk; Zone A, bbls..lb. .12½ - —
Zone B.....lb. .12¾ - —
spray, bbls., bulk, Zone A..lb. .14½ - —
Zone B.....lb. .14¾ - —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I. and Vt.

Milk powd., whole, roller, bbls..lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾ - .27¼
Mineral spirits (see Petroleum, mineral spirits)
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½ - —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex., Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½ - —
l.c.l. .....lb. .07 - .09
tanks .....lb. .05 - —
Monoethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24½ - —
l.c.l., dms., same basis.....lb. .25½ - —
tanks, same basis.....lb. .23½ - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylanilin, dms.....lb. .47 - —

Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, 5 oz. bots....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .12 - .13
Mullein leaves, cns.....lb. .75 - —
Musk, nat., Tonquin, grains, bots. oz.40.00 - 45.00
synth., ambretta, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more. lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more. lb. 1.40 - 2.05
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .16 - .16½
Montana, yellow, bgs.....lb. .12 - .12½
Washington, yellow, bgs....lb. .12 - .12½
Myrobalans,[6] J1, whole, bgs., frt. guar., insurance, $1. Any difference for buyers' account. ton.70.00 - —
crushed, same basis.....ton.75.00 - —
J2, whole, bgs., same basis... ton.58.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis..lb. .031 - —
tanks, same basis.....lb. .0275- —
Naphthalene, crude, dom., 78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼ - —
1-lb. pkgs., same basis...lb. .08¾ - —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,8] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] obls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,8] black, bbls.....lb. .35 - .38
Salt,[6,8] bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs..lb. .7980- —
tins, 10 lbs.....lb. .90 - —
Nicotinamide,[6] dms.....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
5-7, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen, solut.,[6] tanks...ton N.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.

Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + .40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .44 - .45
Chinese .....lb. .39 - .40
Nutmegs,[1] E. I., grinding, bgs., lb. .45 - .46
100's, bgs.....lb. .47 - .48
West Indian, No. 1, bgs.....lb. .34 - .34½
Nux vomica, bls.....lb. .09 - .11
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Ocher (see Yellow).
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½ - —
l.c.l., G.3.....gal. .20 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artl. (see Benzaldehyde).
bitter, F.P.A.....lb. No stocks
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.50 - 1.60
Angelica root, bots.....lb.140.00-150.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. No stocks
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,6] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coppers...lb.25.00 Nom.
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 Nom.
rectified, cns.....lb. 3.00 Nom.
Bois de Rose, Brazil, ens....lb. 4.75 Nom.
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.85 - 2.25
redistilled, USP X, cns....lb. 2.00 - 2.50
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns..lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.11.75 -12.00
rectified, cns.....lb.13.25 -14.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.22.00 -24.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼ - —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls.,c.l.lb. .14 - —
cns. .....lb. .15¾ - .17¾
dms., returnable, c.l....lb. .13¾ - —
l.c.l. .....lb. .14½ - —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l....lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l. ....lb. .1690 - —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾ - —
l.c.l. .....lb. .14¼ - —
dms., returnable, c.l....lb. .13½ - —
l.c.l. .....lb. .14¼ - —
tanks .....lb. .12¾ - —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¼ - —
l.c.l. .....lb. .13¼ - —
80% (68% fat), dms., c.l..lb. .13½ - —
l.c.l. .....lb. .14½ - —
Cedarleaf,[1] cns., dms.....lb. 2.65 - 2.85
Cedarwood, dms.....lb. 1.00 - 1.25
Celery, bots.....lb.19.50 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood, (see Oil, tung).
Cinnamon bark oil, bots.....lb.36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .95 - 1.00
Java, cns.....lb. No stocks

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Exchange
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U. S. P.

Oil, clove, USP, cns.....lb. 1.75 - 1.80
Coconut,[1,5] Manila, crude, bulk, c.l.f., N. Y..lb. .0935- —
ret. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms..gal. .88 - —
tankcar .....gal. .83 - .85
Codliver,[5] med., USP, bbls., dms..gal. 2.30 - 2.40
Coriander, bots.....lb. 23.50 -35.00
Corn,[1,5] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¾- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
Cottonseed,[1,5] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar, dlvd. E..lb. .07⅝- —
raw, 50%, tankcar, dlvd. E., lb. .03⅝- —
salad, l.c.l., ret. dms.....lb. .16½- —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb. 12.00 - —
Degras (see D).
Dillseed, bots.....lb. 10.00 Nom.
weed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.20 Nom.
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram, per million units. .001 - —
200,000 or more A units .... per million units. .30 - —
Fuel (see Petroleum, fuel oil),
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns....lb. 13.00 -15.75
Bourbon, cns.....lb. 13.50 -14.00
Russian, cns.....lb. 15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb. 20.00 -22.50
Hemlock, cns.....lb. 2.85 - 3.34
Juniper berry, cns.....lb. 15.00 -16.00
wood, tecn., cns.....lb. 1.00 - 1.35
Juniper tar, USP, dms.....lb. 1.00 - 1.30
Lard,[5] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
lned, bbls. .....lb. .15½- —
Laurel, bots.....lb. No prices
Lavender flower, French, cns., lb. 8.50 -16.00
Russian, cns. .....lb. 11.00 -11.50
garden, cns. .....lb. .55 - .75
spike, Spanish, pure, cns...lb. 3.50 - 4.00
tecn., cns. .....lb. 2.75 - 3.00
Lavandin, cns., 25 lbs.....lb. 3.00 - —
Lemon, Calif., cns.....lb. 3.25 - —
Messina, cns .....lb. 3.25 - —
Terpeneless .....lb. 25.00 -50.00
Lemongrass, cns., dms.....lb. 1.50 - 1.60
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks.
wood, cns.....lb. 3.20 - 3.25
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns. .....lb. 6.00 - 6.50
expressed, Jamaica, cns...lb. 11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
l.c.l. .....lb. .1550- .1610
tankcar .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 over raw.
Linseed replacem't, dms. ret. lb. .1310- .1510
tankcar .....lb. .1270- .1470
Lubricating,[1] at refinery, extax, California, neutrals, pale, 200-800 vis., 24-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .25 - —
300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-280 vis., No. 3 col., 15-25 pour tanks..gal. .15 - .17½
140-150 vis., No. 8 color, 10-25 poer, tanks..gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal. .29 - .31
200 vis., 0-25 pour, tanks..gal. .31 - .32
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 6.75 - 9.00
Italian, coppers.....lb. No stocks
Menhaden,[1,5] crude, tanks, Balto..lb. .089 —
light-pressed, ret. dms....lb. .1160- .1180
tanks .....lb. .1080- —
ref'd, alkali, ret. dms....lb. .1260- .1280
kettle-boiled, ret. dms....lb. .1360- .1380
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[5] exp., dms....lb. .14¾- —
Neatsfoot, 15°, c.l., bbls....gal. 1.90 - —
20°, c.l., bbls.....gal. 1.80 - —
30°, c.l., bbls.....gal. 1.60 - —
pure, bbls. .....lb. .18¾ Nom.
Neroli, bots.....lb. 220.00 -275.00
Haitian, dms .....lb. 240.00 - —
Nutmeg, dist., cns., dms.....lb. 5.00 - 5.25
Oiticica,[1] liquid, dms.....lb. .20⅝- .20½
tanks .....lb. No stocks
Oleo,[5] 1, bbls.....lb. .18¾ Nom.
Olibanum, bots. .....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks.
edible,[1] Calif., ⅛%-3% f.f.a., dms..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots, dms.....lb. No stocks
sulphonated, 50% (40% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
80% (68% fat), dms., c.l..lb. No prices.
c.l. .....lb. No prices.
85% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
Orange, sweet, dist., cs.....lb. 1.00 - —
expressed, Brazilian, cns..lb. 1.25 - 1.30
Calif., cns. .....lb. 1.45 - 1.75
Florida, cns., dms. .....lb. 1.10 - 1.20
Messina, USP, coppers.lb. No stocks
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless, bots.....lb. 97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,5] Niger, dms.....lb. .0865- —
Palmarosa, cns. .....lb. 5.50 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .05⅝- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —
350° flash, 70-89 @ 100 vis., 0/10 pour..gal. .09 - —
80-85 vis., 0/10 pour, bbls., extra, Ind.refy..gal. .12 - —

Oil, paraffin, 100-100 vis., 0/10 pour, same basis..gal. .08½- —
10/20 pour, same basis.gal. .09¾- —
350° flash, 100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns.....lb. 20.00 Nom.
Peanut,[1,5] crude, tanks, mill. lb. .13 - —
bichd., deod., tankcar.....lb. .1501- —
hydrog., tanks .....lb. .1573- .1578
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import, cns.....lb. No prices
Peppermint, natural, dms....lb. 7.50 - —
redist., USP, dms.....lb. 8.05 - —
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms. lb. 1.60 - 1.70
Pimento, berry, dms.....lb. 6.90 - 7.00
Leaf, cns.....lb. 4.50 - 4.75
Pine,[1,5] ret., dms., c.l., dlvd. E. gal. .63 - .63½
l.c.l., ret., dms., dlvd. E. gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns. .....lb 3.25 - 3.50
Putty,[5] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal .19½- —
dms., c.l., Whiting, Ind..gal. .34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal. .....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,5] denat., bulk, c.l.f. N. Y..lb. .1150- —
Red,[5] dist. dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12 - —
double dist., ret. dms.....lb. .15¼- .16¼
Saponified, same prices

Oil, rose, natural, coppers....oz. 30.00 -40.00
Rosemary, Spanish, cns., dms., lb. 1.70 - 2.10
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal .72 - —
Rue, bots.....lb. 8.25 Nom.
Sage, Spanish, cns.....lb. 3.00 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..lb. .0890- —
light-pressed, ret. dms.....lb. .1160- —
tanks .....lb. .1080- —
ref'd alkali, ret. dms.....lb. .1260- —
kettle-boiled, ret. dms.....lb. .1360- —
Sassafras, artif., cns.....lb. 1.05 - 1.40
natural, cns., dms.....lb. 1.90 - 2.00
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Sesame,[1,5] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snake root, Canada, cns.....lb. No stocks
Soybean,[1,5] crude, tanks, Decatur..lb. .1175- —
deod., Winter, tankcar.....lb. .1393- —
ret. dms.....lb. .1500- .1540
clarif., dms.....lb. .1296- .1355
tanks .....lb. .1256- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dvld. E..lb. .05¼- —
refd., varnish, dms.....lb. .1386- .1406
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom.
Sperm,[5] bleach, 38°, dms....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 3.35
Sunflower semi-ref.,[5] tanks..lb. .1430- —
refined, tanks.....lb. .1468- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75

Oil, tall, crude, dms., c.l., works. ton. 53.65 -55.00
l.c.l., works.....ton. 58.65 -63.65
tanks, works.....ton. 40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[5] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32⅜- —
l.c.l., f.o.b. works....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.50 - 3.50
cite, cns.....lb. 2.85 - 4.00
ange,[1,5] dms.....lb. .39 - —
tanks .....lb. .38⅜- —
Turkey red (see Castor, sulphorated).
Turpentine (see T).
Vetiver, Bourbon, bots.....lb. 35.00 -40.00
Whale,[5] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal. 10.00 -13.50
White mineral, tech., 50-60 vis., dms., c.l..gal. .38 - —
l.c.l. .....gal. .42 - .45
60/75 vis., c.l.....gal. .36 - —
l.c.l. .....gal. .42 - .45
USP, 80/90 vis., dms., dm. charges not included, c.l..gal. .39 - —
l.c.l. .....gal. .45 - .48
90/105 vis., dms., c.l...gal. .44½- —
l.c.l. .....gal. .50¼- .53¼
125/135 vis., dms., c.l...gal. .49 - —
l.c.l. .....gal. .55 - .58
145/155 bls., dms., c.l...gal. .51 - —
l.c.l. .....gal. .57 - .60
175/185 vis., c.l.....gal. .54½- —
l.c.l. .....gal. .60½- .63¼
200/210 vis., c.l.....gal. .58 - —
l.c.l. .....gal. .64 - .67
320/330 vis., c.l.....gal. .65 - —
l.c.l. .....gal. .71 - .74
335/345 vis., c.l.....gal. .66 - —
l.c.l. .....gal. .72 - .75

CYCLAMAL

The Accepted Basis for Floral Perfumes

(*Lily of the Valley, Lilac, etc.*)

A Single Chemical having properties most desired by perfumers.

GREAT STRENGTH

(*5 times stronger than Hydroxy Citronellal with which it blends well.*) *Result: Economy.*

PERSISTENT IN ODOR . . FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION . . CYCLAMAL IS OF 100% PURITY

Manufactured in the U. S. A.

• AMERICAN DISTILLED OILS

Bring You the Fragrance of the Pine Forest

PURE OILS DISTILLED ESPECIALLY FOR US.

Exceptionally Fine Quality

Oil of Spruce
Oil of Cedar Leaf American Pure
Oil of Balsam Fir American
Oil of Pine Needles American

They come to you as they come from the still in state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

AVAILABLE

Aldehyde C-8
Aldehyde C-10
Aldehyde 12-M
Aldehyde C-16
Aldehyde C-18

Requests for samples on your firm's letterhead will be promptly answered.

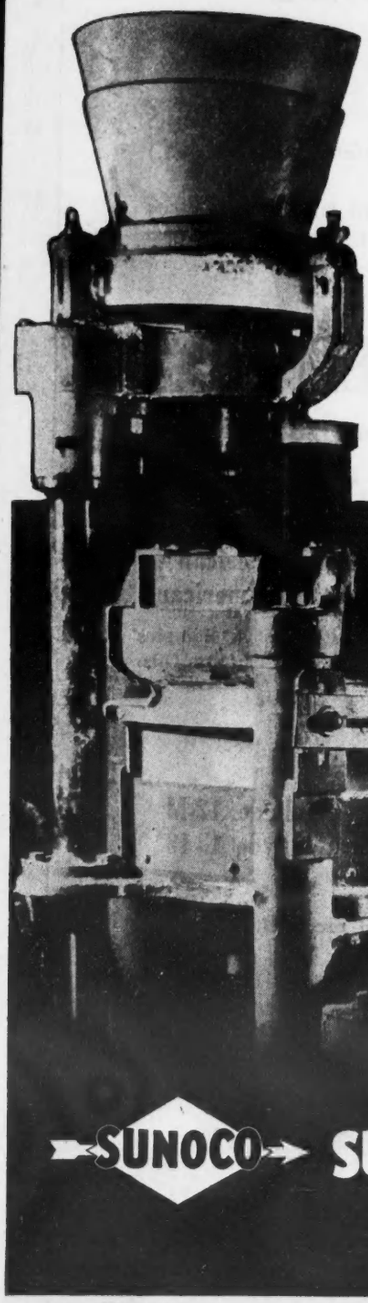
Aromatics Division
GENERAL DRUG COMPANY
644 Pacific St., Brooklyn 17, N. Y.
8 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, white mineral, U.S.P., San Francisco, 55, 70 and 85 vis., ret. iron dms., 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - —
100 vis., 65 dms.....gal. .49½ - —
64-1 dms.....gal. .51½ - .54½
145 vis., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .63
185 vis., 65 dms.....gal. .60½ - —
64-1 dms.....gal. .62½ - .65½
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns. lb. 6.50 - 8.50
South, cns. .....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. No prices.
Wormwood, cns.....lb. 5.00 Nom.
Ylang-ylang, Bourbon, bots..lb. 9.50 -10.00
Oleostearin,[1] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines, ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots..lb. 13.00 - —
25-lb. lots .....lb. 13.25 - —
smaller lots .....lb. 13.50 - 13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, dinitroanilin toner,[1]..lb. 1.05 - —
Lake, Persian,[1] bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex and W. of Cascade Mts. in Ore. and Wash..lb 12¼ -
Orange mineral, Amer., bbls., 5 tons, dlvd. Ariz., Idaho Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .12¾ - —
Colo., Mont., N. M., Wyo..lb. .13½ - —
other points .....lb. .12 - —
smaller lots, dlvd. Ala., etc..lb. .12¾ - —
Ariz., etc. .....lb. .13¼ - —
Colo., Mont., N. M., Wyo..lb. .13 - —
Other points.....lb. .12½ - —
Molybdate,[1,2] bbls.....lb. .41 - —
Orthonitroanilin (oner,[1] kgs., works..lb. .80 - —
bbls. .....lb. .80 - 1.05
Orange peel, bitter, Haitian, bgs., lb. .11 - .11½
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs....lb. .09½ - .10
flat leaf, bgs.....lb. .09 - .09½
Orris root, African, bls.....lb. .85 - .90
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .75 - .80
Verona, bls. .....lb. .80 - .85
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms. .....lb. .60 - .70
Orthochlorophenol, dms.....lb. .23 - —
Orthocresol,[2,4] 30.4°C. Min. M.P., dms., c.l., works..lb. .17½ - .18
l.c.l., same basis.....lb. .18 - .18½
29.0°C. Min. M.P., dms., c.l., works..lb. .16½ - .17
l.c.l., same basis.....lb. 17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .07 - —
l.c.l., same basis.....lb .08 - —
tanks, same basis..... lb. .06¼ -
Orthodichlorobenzene prices west of Rockies lc. per lb higher
Orthonitroanilin, dms. .....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthophenetidin, dms. .....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls....lb. .26 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots .....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.25 - 2.50
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.25
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Chilean, good, bgs..lb. .26 - .27
Portuguese, choice, bgs.....lb. .38 - .39
extra fancy, bgs.....lb. .37½ - .38¼
good, bgs.....lb. .34 - .35
Spanish, fancy, bgs.....lb. .43 - .44
good, bgs.....lb. .36 - .37
fair, bgs.....lb. .32 - .33
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., wks..lb. .32 - —
Paracresol,[2] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works.lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .13
same basis .....lb. 12¼ - .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04½ - —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis, lb. .0520- —
122-124 ASTM, same basis, lb. .0530- —
125-127 ASTM, same basis, lb. .0560- —
127-129 ASTM, same basis, lb. .0585- —
128-130 ASTM, same basis, lb. .0585- —
130-132 ASTM, same basis, lb. .0615- —
132-134 ASTM, same basis, lb. .0640- —
135-137 ASTM, same basis. lb. .0715 - —
140-142 ASTM, same basis, lb. .0810- —
146-148 ASTM, same basis, lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[2,6] dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal.dms., l.c.l., works.lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroaniliin, kgs., works...lb. .43 - .45
Paranitrochlorobenzene, kgs., works..lb. .15 - —
Paranitrophenol, kgs.... .....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs..lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld..lb. .20 - .25
l.c.l., same basis.....lb. .21 - .26
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .85 - —
Penicillin,[6] hospitals, institutions, ampules per 100,000 units. 3.20 - 4.50
for gov. purchases, ampules, per 100,000 units. 1.90 - —
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol,[6] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l. .....lb. .33 - —
Tetra-acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½ - —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l .....gal. .29 - —
10 gal.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .0665 Bid
50 to 100 bgs.....lb. .0705 Bid
24 bgs.....lb. .0723- .0740
red, chillies, Carolina, longs, bgs..lb. .29 Nom.
sports, bgs.....lb. .45 - .46
Congo, bgs.....lb. .25 - .26
Louisiana, sports, bgs.....lb. .45 .46
longs, old crop, bgs....lb. .27½ - .28
Mombassa, bgs.....lb. .20½ - .21
Niger, fair, bgs.....lb. .22 - .22½
Sierra Leone, bgs.....lb. .22 - .22½
Unganda, washed, bgs...lb. No stocks
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs. .....lb. .1295 Nom.
Peppermint, USP, bls.....lb. .70 - .75
import, bls.....lb. .90 Nom.
Perchloroethylene,[6] dms., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms. c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms. c.l., works, frt. equald .lb. .0882- .0900
l.c.l., same basis .....lb .0932- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0882- .0900
l.c.l., same basis..... lb .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.15 - 1.20
Petrolatum, tech., dark, bbls. Group 3, c.l..lb. .021 - —
golden Topaz, bbls., c.l.....lb. .032 - —
l.c.l .....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l .....028 - —
Petroleum, USP, amber, dms., $4 dep. per dm., c.l.....lb. .03¼ - —
l.c.l., same terms.....lb. .04¼ - —
extra amber, fib. dms., c.l..lb. .03½ - —
l.c.l .....lb. .04½ - —
cream, c.l., fib. dms.....lb. .04¾ - —
l.c.l .....lb. .06¼ - —
yellow, soft, fib. dms., c.l..lb. .03¼ - —
l.c.l .....lb. .04¼ - —
white, lily, fib. dms., c.l..lb. .05½ - —
l.c.l .....lb. .07 - —
snow, c.l., fib. dms.....lb. .06¼ - —
l.c.l .....lb. .07¾ - —
soft, c.l., fib. dms.....lb. .05¼ - —
l.c.l .....lb. .06¼ - —
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .83 - 1.01
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.20
Oklahoma-Kansas .....bbl. .85 - 1.25
Pennsylvania .....bbl. 1.81 - 3.00
Texas, Gulf Coast.....bbl. 1.06 - 1.36
North, North-Central.....bbl. 1.01 - 1.26
West .....bbl .70 - 1.12
Panhandle .....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming .....bbl. 1.12 - —
Ether, laboratory, grade, 30-60° C., dms., c.l., Group 3.. gal. .18 - —
l.c.l. .....gal .29 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal .29 - —
10 gals.....gal .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l .....gal. .29 - —
10 gals.....gal 55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½ - —
California, heavy....bbl 1.10 - —
light .....bbl. 1.20 - —
diesel .....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .03½ - —
Group 3, No. 5.....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2.....gal .03½ - —
No. 6.....bbl. .90 - —
14-16 .....bbl. .97 - —
Pennsylvania, No. 1..gal. .07 - .07½
No. 2.....gal. .07 - .0805
No. 3.....gal. .06½ - .07½
36-40 gravity.....gal. .07 - .07½

The Uniform High Solvency of SUN SPIRITS Accelerates Grinding and Dispersal of Pigmented Vehicle



The solvent used in a paint, varnish or enamel plays an important part in the proper dispersion of pigments and vehicle. The high and uniform solvency of Sun Spirits provides the excellent wetting qualities necessary to rapid and complete pigment dispersal.

More than 50% of the war paint manufacturers in Sun's sales area use Sun Spirits because it helps them to meet strict government specifications and minimizes both formulating and production troubles.

A Sun Engineer will be glad to help you with both wartime and post-war problems. Just write to . . .

SUN OIL COMPANY • *Philadelphia 3, Pa.*

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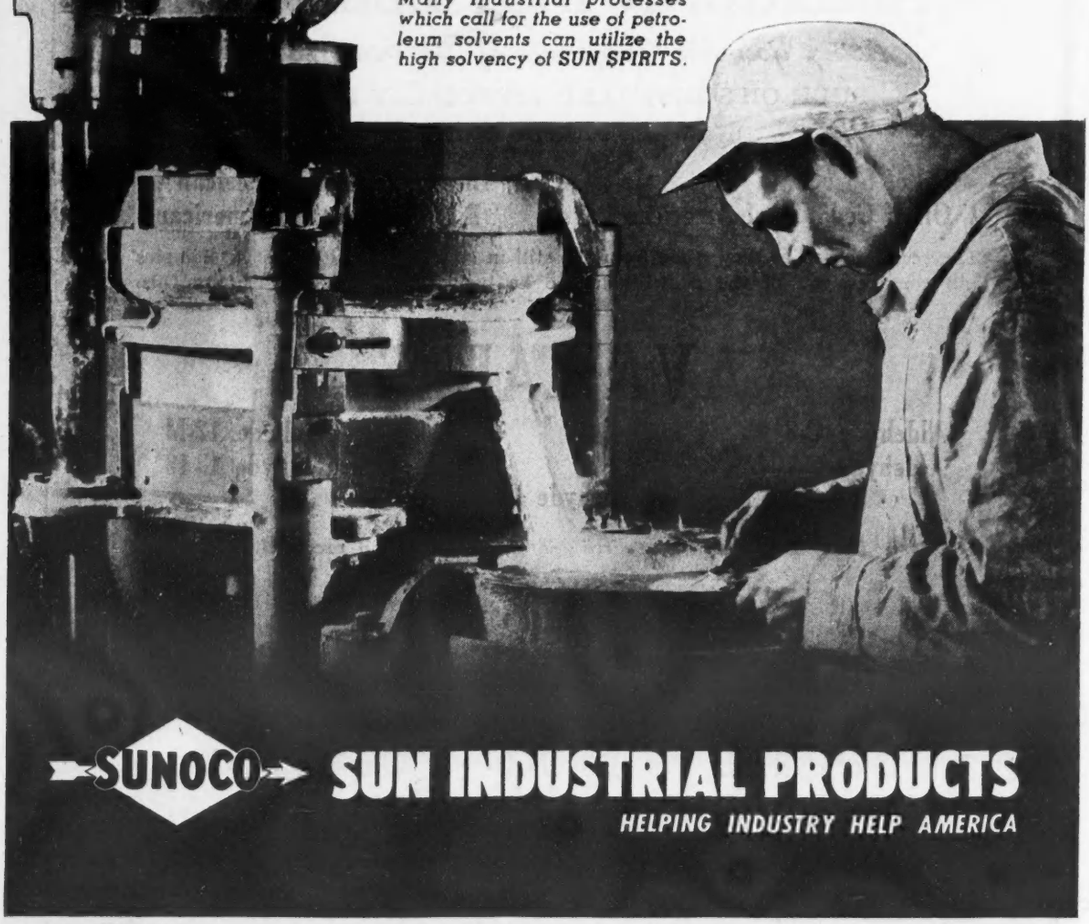
Many industrial processes which call for the use of petroleum solvents can utilize the high solvency of SUN SPIRITS.



SUNOCO **SUN INDUSTRIAL PRODUCTS**

HELPING INDUSTRY HELP AMERICA

Petroleum, fuel, bunker C, Baltimore, Md..bbl. 1.65 - 1.77
Boston, Mass.....bbl. 1.65 - 1.77
Charleston, Mass.....bbl. 1.60 - —
Jacksonville, Fla.....bbl. 1.60 - —
New York, N. Y.....bbl. 1.65 - 2.07
Norfolk, Va.....bbl. 1.65 - 1.77
Philadelphia, Pa.....bbl. 1.65 - —
Portland, Me.....bbl. 1.80 - —
Providence, R. I.....bbl. 1.65 - —
Savannah, Ga.....bbl. 1.65 - 1.77
Wilmington, N. C.....bbl. 1.65 - —

Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco....gal. .11½- —
Willbridge, Ore...gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
gal. .07⅞- —
Group 3, benzol type, tanks toluol type, tanks..gal. .07⅝- .07⅞
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks.. gal. .10½- —
198-200 b.r., tanks...gal. .10⅜- —
246-397 b.r., tanks...gal. .10⅛- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. J., N. Y..gal. .10 - —
Group 3, tanks.....gal. .06¼- —
tankwagon, Baltimore....gal. .12 - .13
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1630- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .1180- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa.....gal. .12 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —

Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- —
tankwagons, Newark....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .23½- —
No. 8, tanks, same basis, gal. .228 - —
No. 80, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .228 - —
No. 40, tanks, Wilmington, Cal..gal. .13½- —

V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 330 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. 54-77, 310 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1280- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1520- —
Newark (200 gal)... .gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —

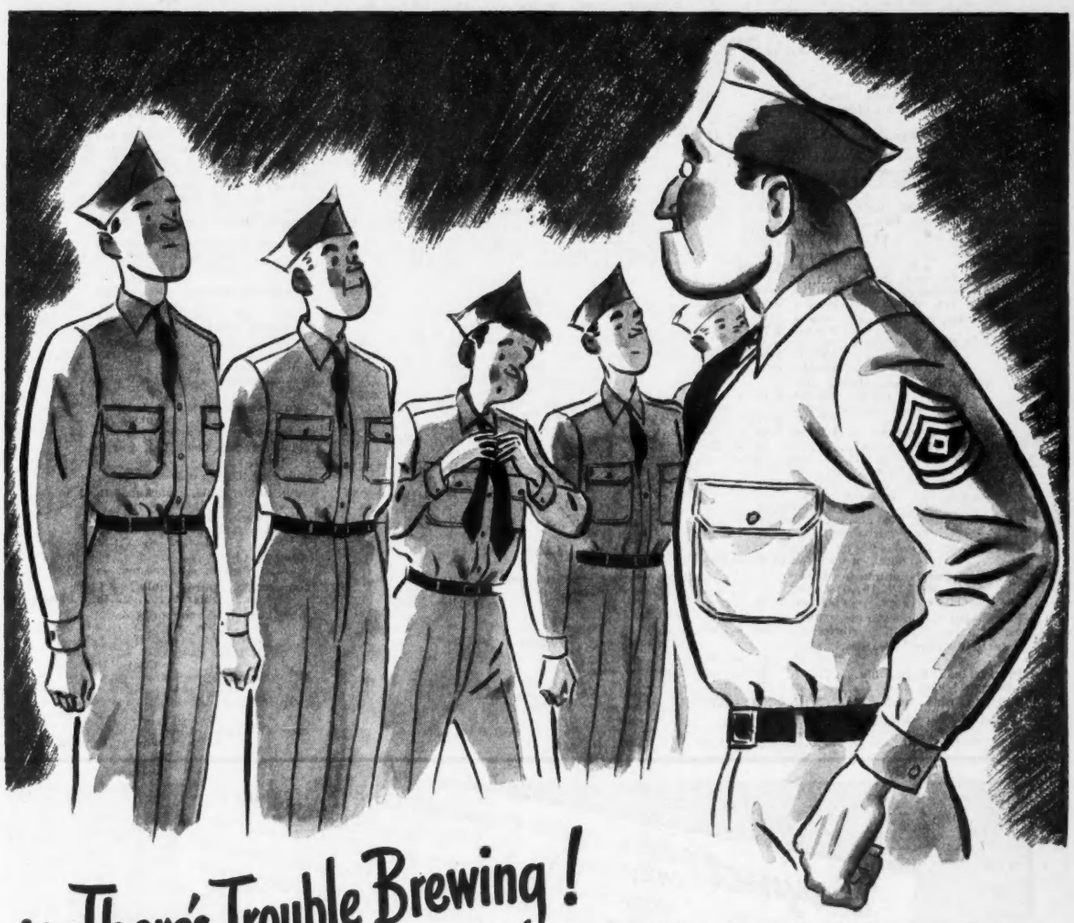
Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- .07¼

Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06⅝- —
Pennsylvania, western, tanks..gal. .07¼- .07⅛
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Xylol solvent. See Xylol petroleum solvent.
Phenobarbital, 5-lb. cns.....lb. 3.60 - 3.70
dms..100 lbs.....lb. 3.50 - —
Phenol,[3,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- .10¾
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., works, frt. equald..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .93
yellow, flb. dms., 2,000 lbs...lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, N.F., flb. dms., 2,000-lb. shipt..lb. .49 - —
smaller lots, same basis..lb. .54 - —
Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut., bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 2.45 - 3.00
Phenylethylphenyl acetate, bots., lb. 6.50 - 7.00
Phenylhydrazin, base, CP, bots.lb. 4.85 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works....lb. 1.75 - —
Phloroglucinol, CP, flb. dms...lb. 13.75 -14.75
tech., flb. dms.....lb. 12.00 -12.50
Phosgene, ton lots, works.....lb. .19 - —

Phosphate rock,[1,6] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.....long ton. 2.20 - —
70-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
72%-70% b.p.l. M.P.R. 240 provisions, same basis..long ton. 3.20 - —
75%-74% b.p.l., M.P.R. 240 provisions, same basis..long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
80%, P_2O_5 minimum, short ton. 2.90 - —
31%, P_2O_5 minimum.. short ton. 3.10 - —
70%, basis 32%, P_2O_5 minimum..short ton. 3.45 - —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% l. & a., M.P.R. 240 provisions, same basis, long ton. 5.00 - —
72%-70% b.p.l., 5½% l. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
30%, P_2O_5, same basis short ton. 4.85 - —
31%, P_2O_5, same basis short ton. 4.95 - —
32%, P_2O_5, same basis ... short ton. 5.20 - —
33%, P_2O_5, same basis. short ton. 5.70

Phosphate, defluorinated (see under D).
Phosphorus,[6] red amorphous, cs., lb. .40 - .44
tins, export.....lb. .55 - —
Yellow, dms.....lb. .25 - —
cs.....lb. .23 - .25
Oxychloride,[6] cyls.....lb. .15 - .18
Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,[6] cs.....lb. .38 - .42
Trichloride,[6] cyls.....lb. .15 - .16
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .08 - .09½
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 2.90 - 3.25
Nitrate, bots., vis.....oz. 3.80 - 3.15
Pimento,[1] Jamaica, bgs.....lb. .22 - .22½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. 1.85 - 1.90
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar,[2] 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works.lb. .03½- —
Linseed, dms.....lb. .05 - .06½
Petroleum (see Asphaltum, Mexican, Texas).
Soybean, dms., works.....lb. .04 - .06
Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand 6.00 - —
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb. 8.75 - 9.00
Poison, bbls. .....lb. 14 - 15

Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —
Pomegranate, root bark, bgs...lb. .80 - .85
Poppy flowers, bls.....lb. .60 - .70
Seed, Canadian, bgs.....lb. No stocks
domestic, blue, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns.....lb. .31 - .33
Arsenite,[6] USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[6] bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.
Bromide, USP, gran., 500-lb. bbls., dms..lb. .27 - .31
100-lb. kgs.....lb. .23 - .25
Carbonate, calc., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms.....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
45% basis, dms.....lb. .08¼- .08¾
tanks .....lb. .02¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03¼- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06¾- .08¾
Chromate,[6] bgs. .....lb 24 - 25



...There's Trouble Brewing!

Yes—and there's trouble brewing in YOUR plant when shipments of the solvent you are using for a certain job vary in uniformity. You've got to have UNIFORMITY in solvents to keep production at its peak and protect the quality of *your* product.

Specify SKELLYSOLVE and you'll *get* uniformity. That means a given type of SKELLYSOLVE ordered today will be absolutely *duplicated* in the same type of solvent ordered next week or months hence. You can depend on SKELLYSOLVE—because we depend on *scientific, instrumented quality control* in the manufacturing process.

SKELLY

SKELLYSOLVE
in the **OIL, PAINT** *and*
DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Potash, chlorate,[6] cryst., bgs., c.l., works..lb. .11 - .11¼
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .18 - .20
Chloride, cryst., tech., 98%, bgs., kgs..lb. .06 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .33½
powd., 3c. per lb. higher.
Cyanide,[6] dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms.....lb. 1.25 - 1.38
Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12½.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[6] 60-62.63% K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12½.
granular, 50-52% K_2O..... unit-ton. .53¾- —
Russian,[6] future shipt., subject to safe arrival..unit-ton. .53¾- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Tronn. Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .28 - .3x
Perchlorate,[6] kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- 20¼
USP, dms., works.....lb. .20½- .21
Prussiate, red, bbls., dms....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., wks. ton.290.00 - —
l.c.l .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
29° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, N.F., gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95%, K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .42
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .42
Berries, bgs.....lb. .23 - .26
Prince's pine herb, bls.....lb. .65 - .70
Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[6] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0¼, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls., is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1,6] concentrate, de-waxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2° ret. dms., same basis. lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
white, cs., works.....lb. .17 - —
China, white, ivory, cs., dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottles, cs., works. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .09 - 10
Quebracho extract,[6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance, $3.75 per ton..lb. .04¾- .05¼
clarified, 64%, bgs., c.l., same basis..lb. .05¾- .05⅝
dissolved, 55% tan., bbls., works..lb. .04125- .0550
tanks, works.....lb. .03625- .0450
ground, bgs., c.l.....lb. .08 - 09
c.l., bgs.....lb. .0825- .0950
Queen of the meadow root, bgs. lb .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No 3.....lb. 09 -
solid, bxs.....lb. .18¼-
Quicksilver,[1] flasks (76 lbs net)..flask.105.00 -110.00
Quince seed, bgs.....lb. 1.30 - 1.
Quinidine,[6] NF V, cryst., cns.oz. 1.08 + .13½*
powd., precip., cns.....oz. 1.01 + .13¼
Sulphate, USP, cns.....oz. .71 + .13¼

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + .13½*
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphate, USP, cns., 100 ozs. oz. .60 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs., oz. .90 + .13½
Salicylate, NF, cns., 100 ozs., oz. .79 + .13½
Sulphate, USP, cns., 100 ozs.oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs. oz. .63 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½
Valerate, NF IV, 100 ozs.....oz. .99 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.
cns..oz. .81 + .13½*
Surcharge: See note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .50
Quinine-urea hydrochloride,[6] USP,

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.25 - 1.30
Red, alizarin lake,[3] bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.85 - —
Firetoner, dom., bbls., works..lb. .85 - —
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls., c.l., l.c.l., bbls.....lb. .09¾- —
reduced, 85%, copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼ .09¢
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizari, bbls., wor..lb. .90 - —
Red litho toner, alizarin, lake, bbls., works..lb. .90 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .29
Lithol - rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots.....lb. 2.02 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 - —
lake, alizarin, kgs., works, lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .029¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.25 - 2.35
Red precipitate,[3] NF, powd., fib. dms..lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .33 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss. lb. 1.80 -
Rhatany root, bgs.....lb. .17 - .18
Rhubarb, whole, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Riboflavin, bots., 100 grams..kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .89 - .09½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum:—
B, dms., c.l.....100 lbs. 5.46 - —
D, dms., c.l.....100 lbs. 5.53 - —
E, dms., c.l.....100 lbs. 6.06 - —
F, dms., c.l.....100 lbs. 6.16 - —
G, dms., c.l.....100 lbs. 6.20 - —
H, dms., c.l.....100 lbs. 6.22 - —
I, dms., c.l.....100 lbs. 6.22 - —
K, dms., c.l.....100 lbs. 6.26 - —
M, dms., c.l.....100 lbs. 6.28 - —
N, dms., c.l.....100 lbs. 6.44 - —
W.G., dms., c.l.....100 lbs. 6.69 - —
W.W., dms., c.l.....100 lbs. 6.96 - —
X, dms., c.l.....100 lbs. 6.96 - —
Wood, F.F., dms., c.l...100 lbs. 3.78 - 3.98
Rotenone,[1,6] CP, bbls., works, lb.10.90 - —
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
Rue, bls.....lb. .75 - .80

S

Sabadilla seed, powd., bbls....lb. .35 - .36
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up..lb. 1.30 - 1.35
smaller lots, same basis..lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. .70 - .75
Spanish, tins.....lb.42.00 -43.00
Safrol, cns.....lb. 1.10 - 1.15
Sage,[1] Calif., French type, bls., f.o.b. Pacific Coast..lb. .82 - .85
leucophylla, Jul.-Aug., bgs., Pacific Coast..lb. .45 - .48
Cyprus, good, bls.....lb. .19 - .19½
fair, bls.....lb. .16½- .17
Spanish, bls.....lb. .19 - .19½
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Salol, gran., bbls., kgs.....lb. .90 - —
flk., dms.....lb. .92 - .98
powder, 10c. per lb. higher.
Salt rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l.....ton.19.40 -23.20
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .20 - .22
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .50 - .55
Savory, Spanish, bls.....lb. .30 - .31
Savory, dom., bls., f.o.b. Calif.. lb. .95 - .97
Saw palmetto berries, bgs.....lb. .20 - .25
Scammony resin, lump, cns.. lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34 - —
Selenium, pwd., cs., 1,000 lbs..lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, lbs.....lb. 1.05 - 1.15
Senna, Alex., half leaf, bls...lb. .22 - .23
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16¼
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .12 - .14
Serpentaria root, bls.....lb. 1.40 - 1.50

Drymet Reg. U. S. Pat. Off.

Anhydrous Sodium Metasilicate. Cowles DRYMET is the most highly concentrated, most economical form of sodium metasilicate available. DRYMET contains no water. Yields nearly twice the chemical strength of hydrated sodium metasilicate at a substantial saving. Completely soluble, non-caking, easy to handle.

Crystamet Reg. U. S. Pat. Off.

Pentahydrate Sodium Metasilicate Cowles CRYSTAMET is an exception ally pure, perfectly white granular sodium metasilicate with the normal 42% water of crystallization. Excellent solubility, uniformity, chemical stability.

Make Cowles Your Source of SILICATE!

Dryorth Reg. U. S. Pat. Off.

Technically Anhydrous Sodium Orthosilicate. Cowles DRYORTH is a high pH detergent silicate with valuable peptizing, emulsifying, dirt-suspending power. Recommended for heavy duty detergency requiring high Na_2O value.

BUY MORE WAR BONDS

7016 Euclid Avenue **THE COWLES DETERGENT CO.** Cleveland 3, Ohio

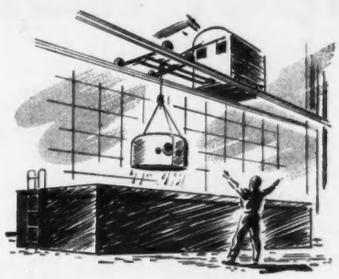
"...It took CHEMISTRY to realize the nation's wealth

American manufacturers once relied on *imported* camphor, an essential ingredient in many important products of industry. When war cut off these imports, however, the *domestic synthesis* of camphor was greatly enhanced by a substance which Hercules chemists produced from wood turpentine . . . *Alpha-pinene*. This is just one example among hundreds of how Hercules research has helped bring to light the hidden wealth of our natural resources."

DAVID DIETZ, *Science Editor of Scripps-Howard Newspapers, Author, Pulitzer Prize Winner*

PROTECTING HEALTH from food contamination by flies and other insect germ-carriers is one of the jobs whose importance can hardly be exaggerated . . . a job now handled by a terpene chemical product. Thanite*, the modern toxic agent used in sprays, is in great demand.

WASHING WOOL—saving time. Yarmor* Pine Oil saves up to 30% of the time required for scouring and processing of wool. Yarmor is a wetting agent, lowering surface tension, emulsifying dirt and grease, producing fluffier, cleaner wool, helps get the most out of our wartime supply.



GREASE-GETTER. Another wetting agent is Dresinate*. Dresinate is speeding the production drive by making it easier for alkaline baths to replace solvent baths for *cleaning metals*. Effective in both strong and weak alkaline baths, it has no harmful chemical action on soft metals.

BEST SOLVENT. For many uses besides paints, there is conceded to be no better solvent than turpentine. Hercules produces the finest clear, pure, water-white turpentine which thins and spreads paint without weakening its color, helps dry it fast.

LESS RUTS. Just a small amount of Hercules' amazing new product, Stabinol*, when properly mixed with the top few inches of soil, and then compacted, makes a completely water-proof surface—*preventing mud.*

HERCULES POWDER COMPANY
INCORPORATED

936 Market Street, Wilmington 99, Delaware

*Reg. U. S. Pat. Off. NI-42 A

Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs.....lb. .11 Nom.
Shellac,[1] bonedry, bbls., 1,500 lbs..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs....lb. .48½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., V.S.O., Diamond I, bgs., lots of 100..lb. .4660- —
Garnet, bgs., lots of 100.....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3660- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100..lb. .3850- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 3c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works. ton.17.00 - —
l.c.l., same basis....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.21.50 -23.00
Silica, amorph., wet-grd., 99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.15.50 - —
l.c.l., same basis....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis....ton.16.00 - —
Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .15½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44⅝- —
govt. purchase, dom.....oz. .7111- —
govt. purchase,[1] foreign...oz. .44⅝- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32⅜- —
Nucleinate, bots., dms.....oz. .306 - .358
Proteinate, bots., dms.....oz. .288 - .338
Simarubra bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. .40 - .45
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, ctns.....lb. .06 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .11¾- .12¾
crushed, bls., bbls.....lb. .12 - .14
cut, dom., bls., bbls.....lb. .16 - .19
imp., bbls.....lb. .18 - .19
powd., bbls.....lb. .17 - .18
Soda acetate, anhyd., dms., dlvd. lb. .06½- .10
l.c.l., dlvd.....lb. .06¼- .06
NF, bbls., dlvd.....lb. .09½- .10
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[4] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 9.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimonate, bbls., dlvd.....lb. .15 - .15¼

Soda, arsenate,[4] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10⅝- .11⅛
Arsenite,[2] gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.13 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.19 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., works..100 lbs. 1.13 - —
l.c.l., dlvd. zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —

Soda ash, light, 58%, bbls., l.c.l., dlvd. zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ariz. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .43
USP, dms., 2 tons or more, lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l., works.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works.... 100 lbs. 1.85 - —
l.c.l. .....100 lbs. 2.51 - —
kgs., c.l., works....100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.76 - —
Bichromate,[4] bbls., cks., c.l., works..lb. .07⅝- —
l.c.l., works.....lb. .07½- .07⅝
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., c.l., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., wks..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
44°, bbls., works....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .27 - .30
fiber dms., works, 100 lbs. lb. .28 - .31
Cacodylate, 5-lb. bots., works. lb.17.00 - —
Carbonate (see Soda ash, soda monohydrated, soda salt)
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works.... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate,[4] cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[2,3] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08⅞- .09¼
Soda chromate in bgs. is ¼c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .23¼
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .30
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29¼
Cyanide,[2] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09¼- .10¼
anhyd., dms., dlvd.....lb. .12¼- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., frt. alld. lb. .17 - .18
Hydroxide, USP, sticks, dms.lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 2.95
Soda hyposulphite in bbls., 20c. higher; in dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.43
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.20
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Molybdate,[4] nhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works .....100 lbs. 2.55 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[4] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis.ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald..lb. .09¾- —
West Coast ports.100 lbs. 8.00 - 8.65
l.c.l., dlvd.....100 lbs. 8.90 -11.50

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From the first rough draft to the master blueprint—tons of paper go into the making of the Navy's big ships and other machines of war . . . and into the all-useful shipping containers which carry vital supplies. In the chemical processing of paper Solvay Alkalies and related products play an important part. In war as in peace alkalies are indispensable!

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CHLORINE

SODA ASH

PAPER PACKS A WAR PUNCH!

SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Soda, orthosilicate, anhyd., dms., c.l., works, frt. equald. lb. 4.50 - —
l.c.l., same basis..'00 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bbls.....lb. .10 - .11
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald..lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
lb. .19 - —
Pantothenate, dext., 100-gram bots..per gram. .10 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works.....
100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works..
100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.44
USP XII, gran., bbls., dms., works..lb. 10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic,[6] anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs., contracts, works..lb. .09¾- .10½
spot .....lb. .10¾- —
bbls., contract, works....lb. .10 - .10¾
spot .....lb. .11 - —
Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald.....
100 lbs. 5.28 - 6.10
l.c.l., same basis...100 lbs. 5.40 - 6.60
bbls., c.l., wks., frt. equald.
100 lbs. 5.45 - 6.30
l.c.l., same basis...100 lbs. 5.60 - 6.60
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .32 - .35
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.18.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride,[6] bbls., c.l., works. lb. .06½- .07
l.c.l., same basis.....lb. .08 - .12
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphathiazole, m o n o hydrate, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.)..lb. .19 - .22
Solvent naphtha,[6] dms., wks.gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash, dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha. to 2c. per gal..gal. .27 - —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton.45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .19 - —
100-40,000 lbs., works...lb. .19¼- .19½
less than 100 lbs., works. lb. .28 - —
Sorbitol,[6] com'l, dms., c.l., works. lb. .14¾- —
l.c.l., same basis.....lb. .15½- —
Sparteine sulphate, bots., cns..oz. 1.80 - 1.90
Spearmint leaves, bls.....lb. .45 - .50
Spikenard root, bls.....lb. .40 - .45
Spruce extract, liq., reg., bbls., c.l., works..lb. .02¾- —
tanks, works .....lb. .01¾- —
pwd., super bgs., c.l., wks.lb .04½- —
Squaw vine, bls.....lb. .55 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .16 - .17
Starch, corn, pearl, bgs.100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
Corn, powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0634- —
l.c.l. .....lb. .079 - —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).

Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50
Stramonium leaves, bgs.....lb. .22 - .23
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
99%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.00 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls.....lb. .37¼- —
Salicylate, NF, dms .....lb. 1.10 - 1.13
Sulphate, nat., 82% min., air-floated, 200 mesh, c.l., works..ton.52.00 - —
l.c.l., works.....ton.54.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.50.00 -57.00
Strophanthus seed, Komba, bgs. lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Strychnine, NF, cryst., cns., 100 oz..oz. .70 - —
powd., cns., 100 ozs.....oz .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs. oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, NF, 100 ozs.....oz. .82 - —
Phosphate, NF, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs. oz. .58 - —
powd., c..s., 100 ozs.....oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —

Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, 100-lb. dms.....lb. 9.00 - —
Sulphaguanidin, 100-lb. dms...lb. 5.50 - —
Sulphanilamide, bots.....lb. 1.35 - —
fib. dms.....lb. .90 - 1.10
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.50
Sulphathiazole, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sesquihydrate, prices same as sulphathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs. lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works.... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 25c. higher.
USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03¼
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼

Sulphur, dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls, works, lb. .18 - .21
multi-unit cars, works..lb. .04¼- .06
Iodide, bots., jars..... .....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple 40% and more a.p.a., bulk, producing points, Florida..unit-ton. .65 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Sweet Basil, bls., f.o.b. Calif. lb. .97 - .98

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works. ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l.,works.ton.17.50 -45.00

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"B&A" Nitric Acid, Reagent, A.C.S. Sp. Gr. 1.42
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• • •

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Talc, fibrous, grd., coarse, off-color, New York, bgs., c.l., works ton 13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 13.50
l.c.l., works.....ton.12.00 14.50
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp., Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08½- —
special, loose.....lb. .08½- —
sulphonated, 35% (24% fat), dms., c.l..lb. .06¾- —
50% (43% fat), dms., c.l...lb. .06¾- —
50% (43% fat), dms., c.l...lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brasil, bgs...lb. .06¼- .07⅛
Java, bgs.....lb. No stocks
Tar acid oil,[1,5] 15-19%, dms., c.l., works..gal. .26½- .27⅛
l.c.l., works.....gal. .28½- —
25%, dms., c.l., works.....gal. .30 - —
l.c.l., works.....lb. .32 - —
Pine, retort, dms., c.l., dlvd. East..gal. .32¾- —
l.c.l., works.....(gal. .29¾- —
tanks, dlvd. East.....gal. .27 - —
Tara, powd., dlvd. N. Y.....ton.120.00 - —
Tarragon herb, bgs.....lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .54
Terpin hydrate, com'l, bbls., c.l. lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms...lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .85 - .90
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .08½
Tetrachlorethylene, N.F., VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrailin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works. lb.12.50 - —
Theobromine,[1,5] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride,[6] bots., dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thioureа, CP, dms.....lb. .55 - .60
Thorium nitrate, cs., works....lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast.lb. .80 - .82
Spanish, bls.....lb. .17¾- .18¼
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
Crystals,[6] bbls., bgs.....lb. No stocks
Metal,[1,6] Straits.....lb. .52 - —
Oxide,[6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,5] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15½- —
smaller lots, dlvd.....lb. .15½- .15⅝
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16⅝- —
smaller lots dlvd.....lb. .17 - .17⅛
plain,[5] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14⅝- —
smaller lots, dlvd.....lb. .15 - .15¼
Hydride, cns.. works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
calcium-rutile base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls.,¼c. higher; Pac. cst., ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, 55 gal., dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.25
technical, 55-gal. dms., works. lb .32 - —
smaller pkgs., works....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .82
Toluene (see Toluol).
Toluidine base, distilled, kgs..lb. .96 - —
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West, Minnequa, Colo.gal. .28 - —
1° nitration, dms., return, works..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnequa, Colo.gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .96
Tonka beans, Angostura, cks..lb. 2.50 - 2.80
Brazilian, Surinam, cs....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., cs. .52 - —
Triacetin, dms., works.....lb. .28 - .30
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms...lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
same basis.....lb. .06½- —
tanks .....lb. .07½- —
Trichloroethylene,[6] dms., c.l., works, Zone 1, frt. alld...lb. .06 - —
Zone 2, same basis.....lb. .06½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichlorocthylene l.c.l. prices, ½c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan. (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .42½- .04⅛
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....lb. .40¼- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .26 - .31
l.c.l., dlvd.....lb. .26½- .31⅛
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] d m s., c. l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. allowed in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[6] bbls....lb. .31 - .33
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works, ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,6] (see Derris root).
Tungsten metal, powd.,[3] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs...lb. .12 - .12½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .86½- .87
sulphate-wood, dms., c.l....gal. .65 - .75
tanks .....gal. .57 - .67
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium[6] oxide, black bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import. pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports, ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
Fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 ton.112.80- —
Urea-ammonia liquor, fixed ammo. content, usual Atla. and Gulf ports, NH_3..ton.116.80 - —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .22 - .28

V

Valerian root, NF, bls.....lb. .55 - .60
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 Nom.
Mexican, cuts, tins.....lb.10.00 - —
whole, tins.....lb.11.00 - —
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate,[6] cbys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works....lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpra tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .55 - .60
Wattlebark,[1] E. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account... ton.53.00 - —
So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account.... per ton.53.00 - —
extract[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, So. Afr., 62% tannin, ex dock..lb. .0572- .0597
E. Afr., 61% tannin, ex dock, lb. .05595- .05845

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17th & Stout Streets, Denver, Colo.

Wax, amorphous, 160°-165° m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14½- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25¾
180°-185° m.p., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots.....lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .58½- .60¼
slabs, bgs., ton.....lb. .52½- —
yellow, crude, African, bgs., ton..lb. .37½- —
Cent. or So. Amer., sun-bleachable, bgs., ton..lb. .44¾- —
unbleachable, bgs., ton, lb. .41½- —
ref'd, USP, bricks, bgs., ton, lb. .53½- —
disc., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
Candelilla,[1] crude, bgs., ton..lb. .34½- —
smaller lots.....lb. .35¼- .44¼
Candelilla, powdered, 20 mesh, extra; 80 mesh, 5½c.; 100-200 mesh, 6c. per lb.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton. .71¼- —
smaller lots.....lb. .72¼- .81¼
North Country No. 2, bgs., ton. .75¾- —
smaller lots.....lb. .76¾- .83¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton.....lb. .81¼- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton, lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .45½- .51¾
smaller lots.....lb. .50½- .61¾
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 1.98 - —
Whiting, chalk, wet-ground, bgs., c.l..ton. 21.00 -25.00
l.c.l. .....ton. 25.00 -29.00
wet-ground, bgs., c.l.....ton. 21.00 -25.00
l.c.l. .....ton. 20.00 -24.00
gilders, bolted, bgs., c.l.ton. 20.00 -24.00
l.c.l. .....ton. 21.00 -25.00
extra-bolted, bgs., c.l..ton. 22.00 -26.00
l.c.l. .....ton. 23.00 -27.00
Paris white, bgs., c.l., ton. 24.00 -28.00
l.c.l. .....ton. 25.00 -29.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., wks, ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh, 99¾%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.60 - 9.50
99%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton. 15.00 - —
gilders, bgs., c.l.....ton. 12.45 - —
putty grade, bgs., c.l..ton. 12.00 - —
Precipitated, bgs., c.l.....ton. 14.00 -15.00
l.c.l. .....ton. 18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, bls.....lb. .18 - .19
rossed, green, bls.....lb. .26 - .28
Wild indigo root, bls.....lb. .18 - .19
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .14 - .15
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y..ton. 20.00 - —
40 mesh, same basis.....ton. 24.00 - —
80 mesh, same basis.....ton. 27.00 - —
100 mesh, same basis.....ton. 30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .23
Levant .....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .55

X

Xanthorrhiza, bls.....lb. .25 - .30
Xylene (see Xylol).
Xylol[3] (xylene), indus. dms. return., works..gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, dms., return, works....gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, dms., return, works....gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
8°, dms, return, works....gal. .47 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .42 - —
Xylol petroleum solvent, ret. dms., Nc. N. J.....gal. .26 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., bots., cns....lb. 1.75 - 2.20
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, C.P., bgs., l.c.l., dlvd. N. of Tenn. and N. C. R. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .22 - —

Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.

Benzidin, bbls., dlvd.....lb. 1.35 - 2.25
Cadmium, CP, import, bxs....lb. 1.35 - 1.40
Chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —

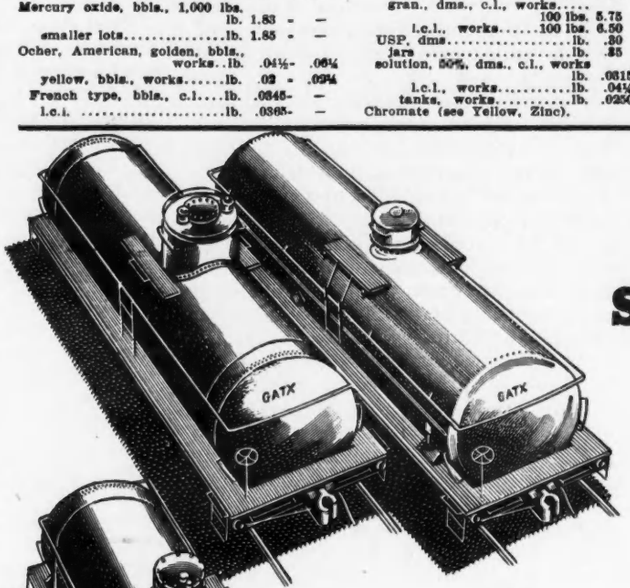
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

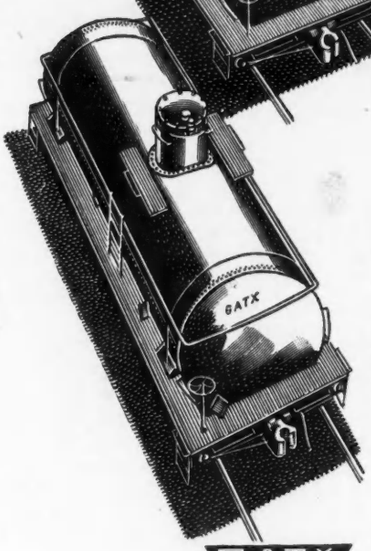
Dutch, pink, bbls.....lb. .08 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Lithopone, bbls., ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis..lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Mercury oxide, bbls., 1,000 lbs. lb. 1.83 - —
smaller lots.....lb. 1.85 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .03¾
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .06 - —
synth, bbls., c.l., works....lb. .07 - —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[4] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —
Yellow dock root, bls.....lb. .38 - .40
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .25 - .27
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd..lb. .16 - .17
USP, bbls., 250 lbs.....lb. .36 - .37
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rookies..lb. .11¾- .15¼
l.c.l., same basis.....lb. .13¾- .18¾
Borate, bgs., c.l.....lb. .12 - —
l.c.l. .....lb. .13½- —
Carbonate, tech., rubber makers' grade, bbls., lb. works.. lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works..... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
solution, 50%, dms., c.l., works lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Chromate (see Yellow, Zinc).
Zinc, cyanide, kgs., works...lb. .33 - .37
Dust,[4] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Hydrosulphite, dms., works..lb. .16 - —
Iodide, NF, bots.....lb. 4.34 - —
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .33
Metal,[1,3,5] (quotations in Protective Coatings market report).
Naphthenate, 8%-10% Zn, 50-gal. dms..lb. .16 - .19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
American process, com'l, lead free,[6] bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
leaded, 35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
French process, com'l, lead free,[6] bgs., c.l., dlvd...lb. .07¼- —
l.c.l., dlvd....A.....lb. .07½- —
green seal, bgs., c.l., dlvd., lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
red seal, bgs., c.l., dlvd.lb. .08¼- —
l.c.l., dlvd.....lb. .08¾- —
white seal, bgs., c.l., dlvd. lb. .09½- —
l.c.l. dlvd.....lb. .09¾- —
USP,[6] 50-lb. ctns., c.....lb. .10¼- —
l.c.l. .....lb. .10¾- —
Zinc oxide prices on the Pacific coast ½c. per lb. higher, c.l., dlvd. and l.c.l. ex whse. In bbls., all prices ½c. higher.
Resinate, 8.7% Zn, 100-lb. dms. lb. .14½- —
fused, pale, bbls.....lb. .11 - .12
precipitated, dms., dlvd....lb. .15 - —

—*Continued on page 47*





GATX GENERAL AMERICAN

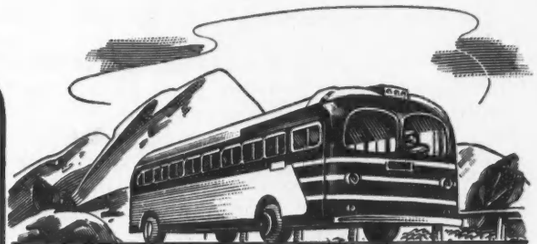
How Does Synthetic Rubber Begin?

1

The two chief component parts of Buna-S synthetic rubber are butadiene and styrene. Butadiene is a gas and styrene is a liquid, but both travel in General American Tank Cars, built to carry specific raw materials. Sulphuric Acid, notably "hard-to-handle," is also transported in specialized GATX cars to . . .

2

the synthetic rubber plant. General American Plate and Welding equipment is used here, as well as in the manufacture of synthetic rubber products, such as . . .



3

synthetic rubber tires, which may one day be used on another General American product—streamlined Aerocoach busses.

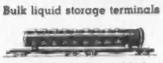
One of a series of advertisements designed to show General American's contribution to everyday living and our part in the efficiency of American Industry during war and peace.

GENERAL AMERICAN TRANSPORTATION CORPORATION

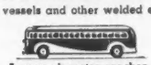
Chicago

Builders and operators of specialized railroad freight cars

Bulk liquid storage terminals

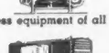


Pressure vessels and other welded equipment



Aerocoach motor coaches

Process equipment of all kinds



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Oil, Paint & Drug Reporter

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Peace Is Not at Hand

It is not clear to those who take a realistic view of the matter why such a large number of businessmen, and especially some prominent newspapers, insist upon believing and declaring that the war in Europe will be ended before Christmas. The military leaders of the United Nations have no evidence that carries such conviction. It is no argument on either side that Congress has taken a vacation of two months. That merely emphasizes its penchant for leaving important things to be done by the executive branch of the government—and then yowling about usurpation and infringement.

If the belief in the imminent ending of German resistance is, as it appears to be in many instances, nothing more than wishful thinking and obsessing desire on the part of those who always have growled because the war was interfering with their doing business as usual, it is to be regretted that there grows among the war agencies an inclination and something of a purpose to let warwork down. As the time of its realization nears, the necessity of studying all the ramifications of conversion to normal production channels becomes more clearly imperative. Economic disruptions which will be disastrous to private enterprise hang all around the conversion job.

One of the most ominous commentaries on the disruptive forces which are wrapped up in conversion programs came out of the Pacific war area a few weeks ago. The members of the United States fighting forces there are heavily ridden by two fears. One of these is that the war in the Pacific may be lost in the peace in Europe. There is more than a little foundation in political fact and industrial trend for that fear. The continuous hullabaloo about Germany's early fall, the volume of talk and print about the proper manner of observing the day of victory, the lagging of munitions production, the complacence reflected by the strikes of coalminers—all these and similar anticipations of the war's end can but leave the fighters in the Pacific with no alternative for the belief that they are soon to be entirely forgotten men: they who have the world's biggest warjob yet to do.

The sapping of morale among the Pacific forces comes closer home to business in the other fear felt and expressed in those parts: that there will be no jobs left for them by the time they can get home; that their old places will have been filled by veterans from the European fields and demobilized men who never got farther than training within the United States.

It is difficult to calm such fears: impossible without removing their causes. It is not impossible or difficult for the war agencies concerned to refrain from promising early, big shifts to civilian production, from authorizing productive expansion by concerns which never had and never wanted warwork and by johnnies-come-lately that seek to get the jump on warworking plants. People must voice their hopes and their desires with respect to an early termination—or cessation, at least—of hostilities. But, to spread these wishful thinkings far and wide in the public press, to foster them by publishing prognostications of unqualified seers, to stress the successes of United States arms and to make little or no mention of their checks and reverses, to belittle the warnings of men in position to know—all these things can be avoided. They are treacherous in both directions.

The British Prime Minister has warned that the war will run into 1945: he was talking about the European campaign, probably only about organized battling. Asia and Oceania are also in the war. Until the last man of the aggregate enemy has been laid low, the first thought of all in the United States must be that there is a war to win, not by wishing, but by working at that job.

—O-P-D—

Postwar Enemies

Germany and Japan will not be friends of the United States when the war is over. It is probable that the same is true with respect to Italy and at least some of the Balkan followers of the nazi banner. It is most necessary, therefore, that the penalties laid upon the current enemies in the finishing of the war—which is at least a little more than the making of the peace—be determined with full realization of the fact that they will still be enemies, ready to sieze upon any opportunity for revenge. They must be made positively innocuous.

It is not difficult to understand why the President's cabinet committee on German peace—as if such a condition were possible—is split over the question of appropriate, adequate punishment for Germany. But, to the extent that this country realizes that it is dealing with a national, not merely an individual, policy of rule or ruin and handles the finishing of the war accordingly, to that extent will the job be complete. If that requires extermination of any part of the German political or business setup, nothing short of extermination will suffice.

The same goes for Japan; perhaps a little more so.

If the World War of twenty-six years ago had been finished, there would be no war with Germany today. Doubtless, there would be a war with somebody else. The making of a peace means no more in this day of supposedly advanced civilization than it did a millennium ago. An absolute guaranty of peacefulness is still to be found only in the ancient American adage about the only good Indian being a dead one. Such absoluteness is not quite necessary, insofar as human beings are concerned—but it is difficult to escape the conviction that nothing less will keep certain national groups peaceful.

Human nature has changed none at all since Bishop Butler said, something more than two centuries ago:—

> Things and actions are what they are, and the consequences of them will be what they will be; why, then, should we desire to be deceived?

Even those who are opposed to capital punishment for murderers do not oppose the keeping of lethal weapons out of the hands of even potential killers. Keeping an armed murderer under surveillance, or even in prison, does not suffice to prevent his killing again. Why should it be expected to be enough to curb a notoriously murderous nation?

—O-P-D—

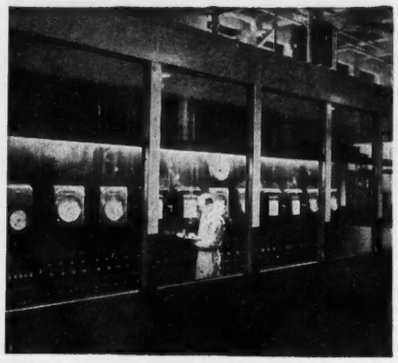
Surplus Disposal Channels

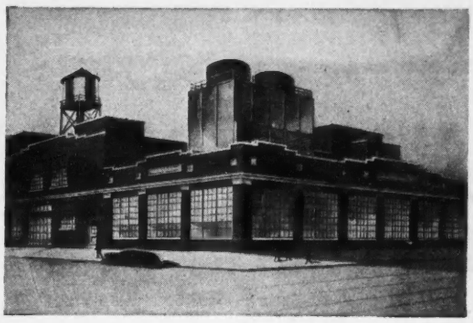
All the political palaver and pap about favoring business, especially small business, in the disposing of goods left in governmental inventories of war stocks must be appraised by the criterions of reality. Even though these promises find some measure of reflection in proposals of laws, they are to be weighed in the balance with what actually is being done.

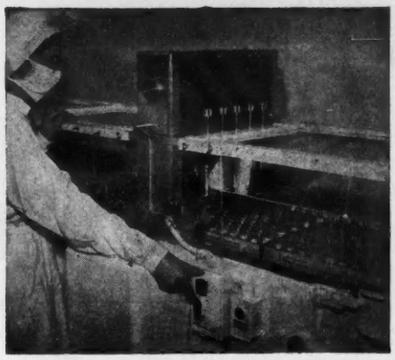
The disposal of surplus wargoods is not waiting upon statutes or headman declarations of public policy. Goods are being disposed of—and in some instances business, the customary channels of trade, is being bypassed. Sales are being made direct to users by the Defense Plant Corporation, which held an auction in Ohio recently which proved to its satisfaction that used tools, equipment, and other supplies could thus be sold to farmers and others. The announcement of the auction said that the articles to be sold probably could not be moved successfully through the regular channels of trade. A second auction followed last week, "benefiting the farmers" and enabling DPC "economically and orderly to dispose of this miscellaneous surplus property." The senate, it will be recalled, wanted to donate certain surplus material to various institutions.

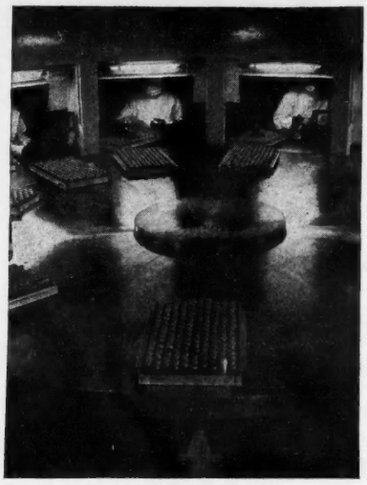
Although for a time it was not easy to determine what was the policy of the Treasury Department in its selling of war surpluses, it now appears that trade channels will be used. In an announcement of the availability of some 30,000 used vehicles, the Procurement Division, inviting essential users to apply to AAA, FTC, WPB, PAW, or ODT regional offices, plainly stated that all sales must be negotiated through dealers, and that the regional agencies would function only to certify potential purchasers.

Apparently the Treasury Department, perhaps because of its longer and more intimate acquaintance with business, has a better conception of the probability of selling successfully through the usual channels of trade. The War Food Administration at least gives original suppliers first chance at its surpluses. If any of the disposal agencies are to be given discriminative authority in that direction, that fact should be adequately published, and the relevant qualifications for such judgment made clear.









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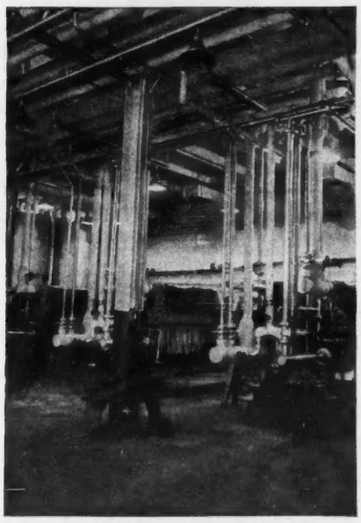

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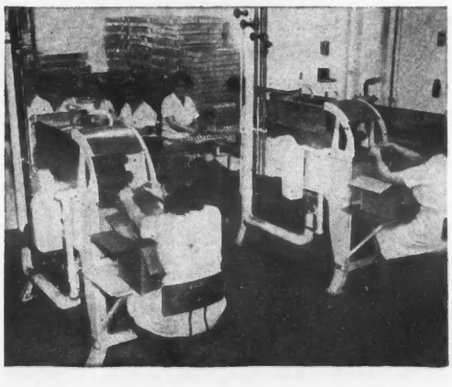

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Heavy Chemicals

Amending the general chemicals order M-300 will facilitate the handling of allocated materials during the reconversion period. According to provisions of the amendment, it will be possible to continue control over part of chemical distribution that is essential for the war effort without governmental supervision over uses of chemicals in the production of specific civilian items. Chemicals Bureau officials emphasized that the amendment applies only where the supply is inadequate to permit the lifting of controls on allocated materials for specified civilian end uses in cases where military requirements necessitate the continuance of allocation for war orders.

Adipic acid has been placed under chemical order M-300 and WPB reported that the entire output has been allocated for military use with very few exceptions. This suggests that the lapover if any will be allocated according to WPB regulations.

Chlorine allocations for October experienced a cutback owing to a heavy demand for direct or indirect government requirements. The market was reported shaping toward a tighter position. Both potash carbonate and caustic felt the impact of an increasing consuming demand which seemed to have exceeded the productive limit. The usual tight conditions were reported in soda ash and soda caustic. This stringency has continued far beyond the time limit, generally expected by producers. Calcium chloride entered the last quarter with producers in position to supply demand readily from available stocks. Antimony oxide remained in a tight position under the maintenance of government demand.

Paper production as a percentage of six-day capacity was 95.2 in the week ended Sept. 30, according to the American Paper & Pulp Association. This compares with 93.7 in the previous week and 91.7 percent a year ago.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Ammoniac Sal.—Demand for use in the manufacture of dry batteries has not relaxed and the movement of material to this industry may be reported as the major one at present. There was a good miscellaneous inquiry noted also which was covered without difficulty from a comfortable supply situation.

Antimony Oxide.—Producers were actively engaged in filling government requirements for fire retardant uses. Demand was sufficient to keep the supply situation tight.

Bleaching Powder. — While stable forms of bleach have been reserved exclusively for military use, there seemed to be enough chamber material to supply civilian and export requirements.

Calcium Chloride.—Market has entered the final quarter of the year in good shape. Demand for ice control has been active while the stockpile has been able to permit shipments to move out promptly.

Chlorine.—Allocations for the fourth quarter are placed at 338,554 tons by WPB. The chemical industry received the largest allotment, amounting to 116,168 tons, organic solvents was second with 97,944 tons and the paper industry third with 43,196 tons. The chlorine alkali industry advisory committee has recommended that allocations should continue at least one month after "V" day. New instructions have been prepared by WPB to keep production and distribution in balance over the final period, details of which will be found on another page of this issue. Demand for chlorine for government use both directly and indirectly has increased. This demand must be satisfied by the end of the year, and judging from opinions the market is likely to develop a definitely tight position.

Molybdenum. — Amendment 2 to MPR-379 that became effective October 7 states in part that the maximum molybdenum content of scrap that may be priced as segregated high and medium tungsten tool steel scrap (types 1 and 2), formerly fixed at 1 percent, has been increased to 1½ percent by OPA.

Potash Carbonate.—Supply position has become tighter since the turn of the month. Domestic demand has expanded for miscellaneous requirements and output has been unable to fully satisfy wants, promptly.

Potash Caustic.—Position of potash carbonate keenly felt in this market on account of conversion of caustic liquor to help out the carbonate market supply. The position was definitely tight without much indication of any early easement in sight.

Soda Ash.—Shipments ran close to schedule on bulk ash, but in most instances, deliveries were two to three weeks late on bagged material. As recently reported, the placing of ash in bags has been greatly aggravated by the manpower shortage. No relaxation could be noted in the general consuming demand. As usual, the glass industry was well represented in the movement of dense ash.

Soda Caustic.—Supply situation has not improved materially. Producers seemed to have made some headway on liquid, where deliveries were two to three weeks behind contract schedules, but on solid varieties the delay was extended to a greater degree. Demand while covering a broad field was unusually heavy from the petroleum industry.

Soda Cyanide.—An acute shortage of this chemical was reported. Production restricted for government use.

Soda Metallic.—Heavy demand for military use has forced a cutback in the amount available for other uses. It has been necessary to temporarily reduce inventories in order to supply special essential wants.

Soda Nitrite.—Reported in plentiful supply. Demand has not exceeded routine limits and the stockpile has gradually increased without influencing any change in prices.

Acids

Adipic.—The WPB transferred this chemical from order M-304 to M-300 on October 4. Under provisions of schedule 55 of M-300, the entire adipic acid output is now allocated for military requirements with very few exceptions. Prior to this recent action, all requirements for nylon production were first supplied without the necessity of allocation. Only that portion of adipic acid remaining in excess of these requirements was subject to allocation control.

Chromic.—Allowance of a discount of 7½ percent from present maximum prices of concentrates and unscreened Transvaal, Br., Russian and Philippine chrome ores was announced by OPA on October 3. It is expected that this action will result in helping to move large stocks of the unconsolidated ores now in government stockpiles and should enable government purchasing agencies to make more advantageous purchases of unconsolidated ores from sources where selling prices are based on OPA maximum figures. The revision is known as an amendment to MPR-258 and became effective October 7.

Hydrofluoric.—Supply situation for anhydrous acid remained tight, but all essential and military requirements have been covered. WPB did not allocate any aqueous acid for civilian use during September.

Nitric. — Buying conditions have tightened under an increased demand inspired by the routing of ordnance material into military channels. Essential requirements were satisfied by industrial producers.

Sulphuric.—No improvement in the supply situation was reported. Demand has stretched over the current producing limit regardless that output has been maintained around peak levels. The uncertainty of the supply outlook has forced a reduced estimate

For Current prices see alphabetical listing beginning on page 9.

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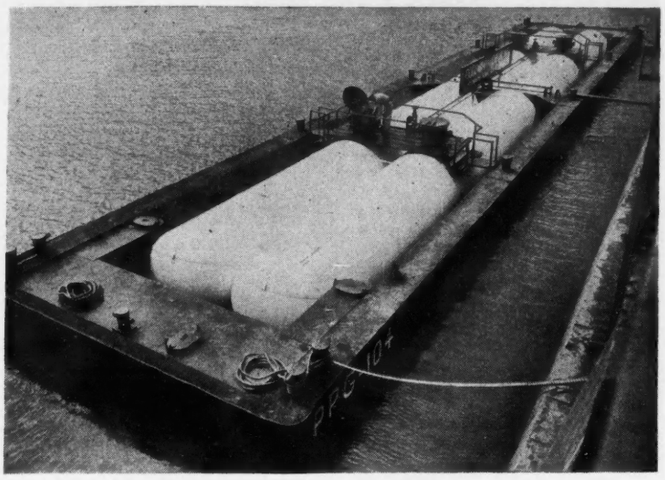

The Pittsburgh Plate Glass Company has opened a new field for the transportation of liquid chlorine, with the delivery to Charleston, W. Va., of 380 tons by barge. The liquid chlorine was transported 203 miles by towboat from a plant operated by its Columbia Chemical Division at Natrium, near New Martinsville, W. Va. The chlorine was discharged into pipe lines of the Carbide & Carbon Chemicals Corporation plant to be used in war work.

The chlorine is carried in four fusion-welded steel tanks with a minimum thickness of 1¼ inch. They were built to withstand a pressure of 300 pounds per square inch. The steel barge is 135 feet long with a beam of 26 feet. The cylindrical tanks are 55 feet, 4½ inches long, and 7 feet, 8½ inches in diameter, and are mounted in the barge in pairs on steel cradles. The piping on the barge is so designed as to permit loading and unloading from either side. The connection to the tank for either loading or unloading has been made to prevent manifolding of the tanks.

for the year's superphosphate production. The new ordnance program calling for increased production of smokeless powder and T-N-T will require a corresponding increase in sulphuric acid output. According to WPB, the output of 8,393,100 in 1943 is expected to reach a peak of 9,426,600 tons on June 30, 1945.

Insecticides

At present, the supply outlook for insecticides and fungicides was described as mostly favorable. The exceptions included copper carbonate and oxide, which have been called on to supply government requirements, cyanides, nicotine sulphate, paradichlorobenzene, pyrethrum and rotenone. There was some uncertainty regarding spreaders and stickers, but in other items the outlook favored an adequate production. The general market did not reveal any unusual activity or important price changes, which was not unusual for this period of the year.

WPB has issued a special provision for a shift for rotenone from order M-133, which has been revoked. Prior to October 31, rotenone may be delivered, accepted and used in accordance with order M-133. After the above date, rotenone will be under regulations of M-300-49. Pyrethrum has also been shifted from M-179 to M-300-48. Prior to October 31, pyrethrum may be delivered, accepted and used in accordance with authorizations issued under order M-179.

Brazil advices state that a factory for the manufacturing of pyrethrum extracts has been established in that country.

Hercules Co. Discontinues Chemicals Resale Dep't

Ralph B. McKinney, general manager of the Paper Makers Chemical Department of Hercules Powder Company, has announced that the Industrial Chemical Division of that department will discontinue the resale of a number of industrial chemicals made by other manufacturers. This change is being made to concentrate the department's technical service and sales force upon the products of Hercules' own manufacture.

Sales representatives stationed at the local sales and distributing points have been given an opportunity to acquire for their own account the business being discontinued by the division. This step will in no way affect the manufacture and sale of rosin size, alum, casein, and other paper chemicals which will be carried on at the same points as heretofore.

American Gas Ass'n Elects Robinson President

J. French Robinson, president of the East Ohio Gas Company, Cleveland, Ohio., was elected president of the American Gas Association at the annual business meeting held last week, assuming the duties of the office at once. In conformity with the government's request for curtailment of travel by civilians at this time, the usual convention of the association was dispensed with this year.

Mr. Robinson, who became president of the East Ohio Gas Company four years ago, formerly was president of the Peoples Natural Gas Company of Pittsburgh, Pa., an affiliated company. Both companies are now parts of the Consolidated Natural Gas Company.

Other officers elected were:—First vice-president, E. J. Boothby, vice-president and general manager of Washington Gas Light Company, Washington; second vice-president, R. H. Hargrove, vice-president of the United Gas Pipe Line Company, Shreveport, La.

Dr. J. B. Rather has been appointed a member of the manufacturing committee of the Socony-Vacuum Oil Company, New York, and will be technical adviser to the committee.

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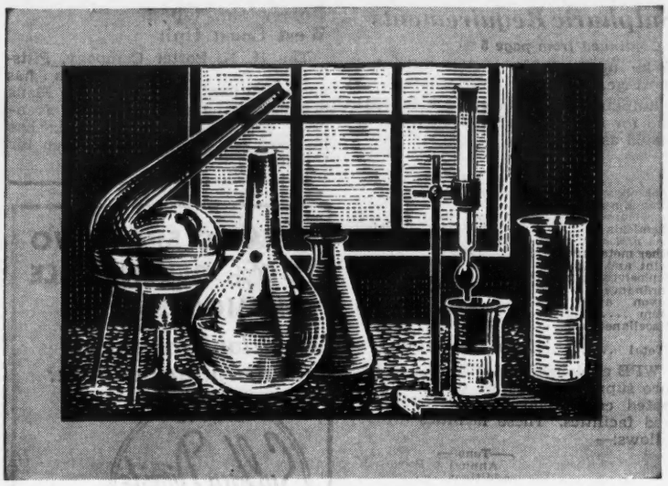

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Sulphuric Requirements

—Continued from page 5

make up for part of the estimated shortage, WPB said.

Sulphuric acid requirements for 1944 and for the first half of 1945 are estimated as follows:—

	1944	First 6 mos. of 1945
Superphosphates	2,852,900	1,558,600
Ammonium sulphate	694,500	361,200
Petroleum refining	1,477,000	890,900
Chemicals	2,188,600	1,130,000
Iron and steel pickling	558,400	291,700
Other metallurgical uses	343,000	174,500
Paint and pigments	767,100	389,600
Explosives, other than ordnance	742,600	375,400
Rayon and cellulose film	528,100	289,300
Miscellaneous	404,000	202,400
Total	10,556,200	5,663,600

WPB explained that estimates of future supplies are based on the anticipated completion of new sulphuric acid facilities. These facilities are as follows:—

	Tons Annual additional capacity	Proposed completion date
Standard Wholesale & Phosphate Co.	109,600	Oct., 1944
Davison Chemical Company	12,000	Dec., 1944
General Chemical Company	160,000	Dec., 1944
Consolidated Chemical Co. (Tex.)	108,000	Nov., 1944
Stauffer Chemical Company	72,000	Oct., 1944
Garfield Chemical Co. (Utah)	54,000	Mar., 1945
Consolidated Chemical Company	93,600	Dec., 1944

More tankcars are urgently needed to transport acid from plants, industry members said. WPB pointed out that ordnance plants also require additional tank cars. One hundred are now needed and an additional 400 to 500 will be required when the expanded ordnance program gains impetus, WPB said. The committee also recommended that the Inorganic Acids Industry Advisory Committee meet with the Superphosphate Producers Industry Advisory Committee to discuss the problem of making more acid available for the production of fertilizers.

Chemical Salesmen's Annual Meeting Oct. 19

Salesmen's Association of the American Chemical Industry will hold its annual dinner at the Midston house, New York, October 19. A nominating committee of seven members will be elected to formulate a slate of officers for 1945. Reservation for the dinner, limited to members, are in charge of J. E. Ferris, of the Niagara Alkali Company, 60 East 42d street, New York.

Cole on Monsanto Board

Robert R. Cole, vice-president of Monsanto Chemical Company St. Louis and general manager of the phosphate division, has been elected a member of the board of directors. Mr. Cole fills the place on the board left vacant by the recent death of John C. Brooks, vice-president and general manager of the company's plastics division.

Salvage Your Waste Paper

Porter Co. Opens West Coast Unit

The H. K. Porter Company, Pittsburgh, Pa., and subsidiaries has opened offices in Los Angeles. Plans are also in the making for San Francisco offices. Harold A. Hintz has been appointed district manager for the territory.

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Grain Alcohol Plants Postwar Use Urged

A proposal that a committee similar to the one recently headed by Bernard Baruch be established to study means by which the war-born grain alcohol plants may be continued in operation in the postwar period was made to President Roosevelt October 2 by Senator Guy M. Gillette of Iowa, chairman of a senate subcommittee that has been investigating the alcohol siutation, with emphasis on the use of grain alcohol in synthetic rubber production. Senator Gillette reported the President as being sympathetic to the proposal.

In a report to the senate recently the subcomittee expressed concern over reports that the government might abandon the plants after the war and urged that steps be taken to assure maximum production of synthetic rubber from grain when peace is restored.

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DESCRIPTION: Oronite Wetting Agent is a specially purified product of petroleum origin, free from oil, and consisting of a controlled combination of selected petroleum sulfonates.
PROPERTIES: Oronite Wetting Agent is of the anionic type and soluble in water. It forms solutions which foam readily and which have low surface and interfacial tensions, as well as other characteristics which make for rapid wetting and quick penetration.
USES: The versatility of Oronite Wetting Agent renders it generally applicable in the industrial field. It has gained recognition in textile manufacturing and dyeing, leather processing, paper manufacturing, metal treatment, detergency, pigment manufacturing and numerous other applications.
Write for complete Oronite Research Laboratory Technical Bulletin
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Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

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Barrett

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Demand for military uses as well as for other government requirements did not relax last week and the position of basic coaltar chemicals gave the impression that strings had been drawn tighter over the supply available for civilian wants. Combined demand was too big to fit the production of benzene, toluene and xylene and it was apparent that part of the allocated material for September had lapped over into October. This could not be construed as favorable to any overall easement in the situation this month.

Reports were current to the effect that a limited quantity of naphthalene had been allocated for moth prevention for October. While the amount was relatively small, it was better than last month when no material was permitted for moth proofing. In other directions, the basic situation did not uncover much that was new. Some more foreign cresylic acid arrivals were noted but in general, buying conditions continued tight. The call for intermediates and dyestuffs was steady with supplies being stretched to meet essential requirements as equitably as possible. As these items are primarily influenced by conditions prevailing in the market for basic products, the outlook gave little encouragement for nearby easement in buying conditions. It was admitted that a decision in military activities in Europe might alter the situation appreciably.

Steel operations for the week beginning October 2 were scheduled at 95.6 percent of ingot capacity, compared with 95.1 percent for the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 95.1 percent. The current schedule is equivalent to a production of 1,719,600 net tons of ingots and castings for the week compared with 1,756,900 tons for the same week in 1943.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

Basic Products

Benzene.—Position of this market remained critical. Shipments for government use have breached the supply situation and demand has overtaxed the amount of material available. In some instances, it was reported that considerable tonnage allocated for September will come through this month. Under such conditions a definitely tight market is expected throughout October.

Coaltar.—Production for the month of August was given as 64,608,699 gallons by the Bureau of Mines. July production was placed at 64,215,977 gallons. Stocks at the close of August were 31,809,349 gallons, compared with 33,549,959 gallons at the end of July. Almost one-sixth of recent production has been burned as fuel in areas where other fuel oil is short.

Creosote Oil. — Bureau of Mines placed August output at 3,434,307 gallons, compared with 3,436,001 gallons in July. Stocks at the end of August amounted to 1,009,876 gallons against 1,258,011 gallons at the close of the preceding month.

Cresylic Acid.—Domestic was granted for 45 percent of requests last month against 66 percent in August. There was a steady miscellaneous inquiry reported, while shipments were under WPB regulation. Makers of tricresyl phosphate were well represented in the market's movement.

Naphthalene. — Output in August reached 8,340,395 pounds, according to the Bureau of Mines. August production was given at 8,239,513 pounds. Stocks at the end of August were 2,663,410 pounds, compared with 2,466,724 pounds at the close of July. No relaxation was reported in the extent of demand and the market retained its tight position. The call for use in the manufacture of dyes and intermediates continued abnormally heavy.

Phenol. — Shipments continued to reach essential consumers in fair quantities. Demand was broad enough to absorb output, but it was reported that allocations were being satisfied.

Toluene.—Heavy shipments for government use are reported to have forced a reduction in allocations for other requirements for October. Position not unlike that noted in benzene inasmuch as part of September allocations had to be extended into October.

Xylene.—Market revealed a definite shortage of stocks, which held buying position tight. Reported a cut in allocations for civilian use for October. Outlook gave no indication of nearby easement.

Chicago Oct. 6.—Trade in coaltar bases is holding up moderately well, with market values little changed. Benzol is attracting considerable interest in buying quarters. In general, offerings are still curtailed and are running below quantities which it appears the market could absorb. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 30c.; industrial xylol, same basis, 27c.; 10-degree xylol, same basis, 30c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexanone.—Production has met essential requirements but has not been able to expand under conditions prevailing in crude materials. Meanwhile the supply situation has shown more of a tendency to tighten than to relax.

Methylcyclohexane.—Supplies have not exceeded the requirements of government and essential industrial wants. Production reflected the shortage current in basic products and manpower.

Coaltar Acids

Broenner's. — Reported firm under limited supply condition. Essential wants of regular consumers getting preference as to shipments.

Cloves. — No improvement noted in buying conditions. Shortage and difficulty experienced in securing basic materials reflected in relatively light production.

Fumaric. — Supply situation about the same. Restricted production moved rapidly against contracts held by regular consumers, preventing any appreciable additions to inventory.

Gamma.—Light available stocks kept buying conditions tight. Not much chance of improvement until there is some sign of easement in basic materials.

Laurent's.—Situation similar to most other coaltar acids. Production limited by shortage of labor and basic materials which held buying conditions tight.

Maleic.—Rubber and cellophane industries were represented in the week's movement with the manufacturers of fumaric acid probably getting the largest shipments.

Sulphanilic. — Stringency in basic material kept output down and was instrumental in the maintenance of market's tight position.

Other Intermediates

Anilin.—Buyers have experienced difficulty in securing enough aniline oil to meet requirements. The critical position of benzene has kept anilin production below the demand limit and the market gave no indication of relaxing from its tight position. Inquiry for use in the manufacture of rubber, plastics and dyestuffs was reported active.

Diethylanilin. — Tight position of basic material was reflected in the market for this intermediate. Shipments for essential requirements were about the best that could be reported.

Dinitrobenzene. — No improvement in the supply position reported. Production necessarily restricted by conditions current in the basic product.

Diphenyl. — Enough material to satisfy essential requirements of regular customers and that was about all. Market tight with former prices fully maintained.

Orthodichlorobenzene. — Production

For Current prices see alphabetical listing beginning on page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Sept. 30, indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	38,426,611
Benzol	gals.	3,769,699
Coaltar	gals.	14,713,987
Creosote oil	gals.	778,200
Naphthalene	lbs.	1,641,643
Phenol	lbs.	218,886
Toluol	gals.	753,940
Xylol	gals.	170,244

held at low level under benzene shortage. No improvement in buying conditions expected until there is easement in the basic product.

Phthalic Anhydride. — Manufacturers of synthetic resins seemed to be getting the major part of allocations, although demand from this source was not fully satisfied. Inquiry for rubber and other industrial uses showed no signs of relaxing and material was moved as rapidly as produced. Overall position tight and under the influence of naphthalene.

Coaltar Colors

As long as conditions in the basic materials market range from critical to tight, there does not appear to be much chance in expanding the output of coaltar colors. Under restrictions and regulations, essential requirements have been covered but the overall market revealed short stocks in many varieties. Demand was reported satisfactory while available material remained at a low level.

Barrett Div. to Erect Plant in Ironton

A tar distillation plant will soon be built at Ironton, Ohio, by the Barrett Division of Allied Chemical & Dye Corporation. Situated on the Ohio river, 140 miles southeast of Cincinnati, Ironton, which is the county seat of Lawrence county, has been selected as the site for this new chemical plant because of availability of required raw materials in that city, and because of its central location and excellent transportation facilities.

The new Barrett plant will be immediately adjacent to the Semet-Solvay plant and will be served by the Norfolk & Western Railroad, with water facilities for handling incoming crudes and the shipment of finished products. The Detroit, Toledo & Ironton Railway and the Chesapeake & Ohio Railroad also operate to Ironton.

Washington Talks It Over

—Continued from page 5

Branch. Requests for speakers can be made to Captain Alvin Grauer, Speakers' Branch, Industrial Service Division, Bureau of Public Relations, War Department, in the Pentagon Building, Washington, D. C.

Soap for Pacific Fighters

The soap industry has been given to understand by WPB that there is but little likelihood that the ending of the European phase of the war will result in any cutbacks in military demands for soap. On the contrary, the needs of the army and the navy may be even larger than at present.

The reason for this is that the soldiers, sailors, and marines battling in the muddy jungles and disease-infested areas of the Pacific need more soap to keep clean than do the members of the armed services in other areas. In the Pacific area, also, there is a constant demand for special soap for laundering the white navy uniforms in saltwater.

In view of the conditions prevailing in the Pacific war theatres, army and navy requirements for synthetic soaps are likely to increase, it was stated, especially after fighting against the Japanese is intensified.

Building Construction Outlook

It is now reported that lumber, steel, and copper may be available in sufficient quantities following the defeat of Germany to permit a little more than $4,000,000,000 of civilian construction to go forward in the succeeding year. This would mean a doubling of present civilian activity in this field.

Under these circumstances, there is a growing belief that it would be feasible after the German collapse to remove many, if not all, of the present controls on construction. If the construction industry would be provided adequate information about the developing supply of building materials and equipment available or civilian work, the U. S. chamber of commerce says, the dangers of speculative buying could be avoided and the industry could get underway with a minimum of regulation. Priorities, it notes, would take care of the war needs for building materials.

Heads Technical Service

H. E. Back, jr., has been appointed to the position of director of technical service for the resin and adhesive division of the Pennsylvania Coal Products Company, manufacturer of 'Penacolite' resins and adhesives, Petrolia, Pa.

Dollard Opens Office

Frank Dollard has opened offices at 90 Broad street, New York, to import, export and handle a wide line of domestic industrial and fine chemicals.

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The Edwal Laboratories, Inc.
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Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
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E. M. Laning Company
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Orthmann Laboratories, Inc.
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Stillwell & Gladding, Inc.
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Wiley & Company, Inc.
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Joseph A. Wyler
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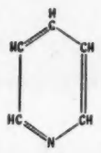
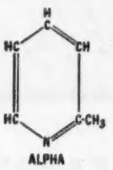
Du Pont Rubber Chemicals Div. Opens Akron Office

The Rubber Chemicals Division of E. I. du Pont de Nemours & Co., Wilmington, will establish a branch office and completely equipped technical service laboratory in Akron, Ohio. Harry A. Hoffman will be manager of the branch.

Pyridine — Picoline



PYRIDINE



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Grades

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Properties: (Pure Compound)

	Pyridine	*Alpha Picoline*
Molecular Weight	79	93
Melting Point	−42°C.	−69.9°C.
Boiling Point	115°C.	128°C.
Specific Gravity at 15½°C./15½°C.	0.986	0.949
State	Liquid	Liquid

Solubility:

Pyridine is miscible with water, alcohol, ether, benzene and many organic liquids.

Alpha picoline is very soluble in water and forms constant boiling mixture with it. It is completely miscible with alcohol and with ethyl ether.

Uses:

PYRIDINE—A starting material for production of pharmaceuticals, waterproofing chemicals, rubber accelerators. One of the best solvents for organic materials. Dissolves many metallic salts, forming relatively stable compounds without substitution. Useful in extraction, distillation and purification operations. The wide-boiling pyridines classified as Special and Denaturing grades, also available, can be used for denaturing alcohol and for many other purposes which do not require a large percentage of pure pyridine.

ALPHA PICOLINE—The high water-solubility and the boiling point recommend it for many solvent uses in place of more expensive solvents, particularly where the use of a pure compound will reduce costs in comparison with wide boiling ranges of unknown compositions. Used in the synthesis of alkaloids, pharmaceuticals and other organic compounds.

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If you have not examined 2-50-W Hi-Flash Solvent lately we urge you to do so, as it is far superior to the ordinary hi-flash solvent you may have known.

Write for samples and further information.

*Under M-340 as ad is written.

A-12

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Protective Coatings Materials

Although there have not yet been any cutbacks or terminations of war contracts in the field of paint, varnish and lacquer materials of sufficient importance to reduce or even temporarily retard the mounting of the total volume of business in these lines to hitherto record-breaking peaks, the easing of restrictions on civilian end uses within the past week in a growing number of these materials, wherein the supply is now proving adequate for all war and lend-lease requirements, has served to emphasize the paint industry's need for getting well under way in its campaign for expanding its civilian business before the conclusion of the European war.

Census Bureau's figures on the sales of paint, varnish, lacquer and fillers for the month of August and for the first eight months of this year, printed below, show that the total dollar value of business in all these lines continues well ahead of that for the corresponding periods in the heretofore banner year, 1943.

Such relaxing of non-military end-use restrictions as has been granted by government bureaus within the past week is best exemplified by the action of the Chemicals Bureau of the War Production Board in lifting allocation controls for civilian use over certain chemical products embraced in order M-300 acknowledged to be in adequate supply, outstanding among which are cellulose acetate butyrate and both urea and melamine molding powder used in the manufacture of plastics. But of equal significance has been the action of the War Food Administration in arranging to set aside for protective coatings manufacture an extra allotment of 10,000 pounds of linseed and other drying oils per quarter, besides continuing to grant the 70 percent basic quota, in order to adjust certain inequalities which would otherwise exist.

It is also to be noted in this connection that, in making separate orders for controlling the use of fats and oils in protective coatings, WFA has granted permission for civilian use without restriction of fish oil for a period ending March 31, next, provided that the users deduct the quantity of this oil included in determining their base period consumption. Also in the direction of greater liberalization of restrictions has been the WFA ruling that two pounds of oil, instead of one pound as formerly, is now permitted in each gallon of paint when quotas are derived from the manufacture of casein or paste water paint.

Metallic Lead and Zinc

Because of the comparatively easy supply situation still prevailing in lead metal, manufacturers of lead pigments continue able to fill their requirements without let or hindrance. Bureau of Mines, reporting on the production of the metal for last August has revealed a further increase in its domestic output of 513 tons to 29,544 tons, for that month. Quotations for pig lead have been unaltered for the week September 29-October 6 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Despite an almost continuous gain in domestic production, the supply of zinc slabs is still so inadequate for both war and essential industry uses as to make it still needful for makers of zinc pigments to possess priorities in order to fill their requirements. Mines Bureau reports on zinc production for last August show an increase in the domestic yield from concentrates of 1,271 tons to 57,272 tons for that month over the previous month's output. Prices on zinc slabs have remained unchanged for the week September 29-October 6 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced

None

Prices Reduced

Casein, imported, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Pigments

Lithopone.—As the buying on rated orders, some of which are not strictly based on war production needs, continues exceedingly heavy, the quantity available for distribution in the trade is still very limited. Some relief from this situation is contemplated, however, by WPB in a mooted change in its order M-353, controlling all white pigments, which would provide substantial increases in supplies for civilian purposes by confining deliveries by suppliers on rated orders to those carrying military certifications.

Zinc Oxide.—No immediate relief is expected from the tight supply situation still prevailing in both lead-free and leaded zinc oxides. The former continues under allocation control, and the latter, though control-free, is still in very light supply.

Fillers and Extenders

Asbestos.—Still moving steadily into consuming channels, with routine shipments recorded in both Canadian and domestic types. Arrivals of 485 bales are noted.

China Clay.—A steadily mounting volume of business is being transacted in the material of foreign origin, following the removal of import control, and there is also a moderate movement of domestic material, with prices well maintained.

Talc.—Continues in good demand, with still greater activity in sight in consequence of the lifting of import control. Especially sizable shipments are reported as being made from mines near Bishop, Calif.

Dry and Chemical Colors

Carbon Black.—Despite a notable increase in production of both channel and furnace blacks, inventories of the rubber tire making grades of channel blacks continue to diminish, as the manufacturers of synthetic rubber tires continue to make huge inroads on stocks. However, it is expected that this condition will eventually be corrected by the contemplated addition of many additional production facilities. Paint makers are also buying fairly sizable quantities of channel blacks.

Chrome Colors.—The shortage of bichromates and the rigid controls exercised by WPB are holding down to meager proportions the quantities of these colors in Class A available to any save military accounts, while those in Class B, which embrace zinc chromate yellow and chromium oxide green, are now allocated only to essential military production or where the use of substitute materials is not possible. Incidentally, it is noteworthy in this connection that no toluol has been allocated by WPB this month for zinc chromate primer.

Driers and Flatteners

Naphthenates.—Evidence that erstwhile civilian users of naphthenates are now being completely cut off from

Paint, Varnish, Lacquer Sales: August

The value of paint, varnish, lacquer and fillers sold in August, 1944, as reported by 680 establishments to the Bureau of Census, was $58,888,243. Details of sales reported by these establishments, and comparable data for 1943, follow:—

		Classified sales reported by 580 establishments			Unclassified
		Trade-sales of paint, varnish, and lacquer.	Industrial sales		
1944.	Total sales reported by 680 establishments.		Total.	Paint and varnish.	Lacquer.	sales reported by 100 establishments.
1944—August ..	$58,888,243	$28,173,045	$24,937,828	$19,015,870	$5,921,958	$5,777,370
Totals, 8 mos.	420,676,287	203,301,487	176,100,379	131,666,284	44,434,095	41,274,421
1943—August ..	51,059,357	23,264,187	22,902,022	17,483,866	5,418,156	4,893,148
Totals, 8 mos.	381,638,280	182,500,698	162,577,307	121,462,466	41,114,841	36,560,275

For Current prices see alphabetical listing beginning on page 9.

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EASTON, PA.

their sources of supply in these driers has been furnished within the past week by the action of the Chemicals Bureau of the War Production Board, denying in its allocations for October all applications by non-military consumers for authorization to purchase them.

Tallates.—Recourse to tallates on the part of those hitherto prefering naphthenates but now completely shut out from using the latter as drying agents is reaching larger proportions daily and is adding hugely to the already heavy normal movement in these materials. Prices are being well maintained throughout the entire list.

Stearates.—Buying interest in these flattening agents continues running high, with the market manifesting a strong undertone.

Lacquer Materials

Acetone.—There has been no abatement of the tension in this material of late insofar as its availability for any but military uses is concerned.

Ethyl Acetate.—Varnish makers continue to find it difficult to obtain this material for use as a solvent, as the government still has pressing need of it.

Methyl Acetate. — This material, which the paint industry has found to be a highly satisfactory solvent, although somewhat more rapid in its action than the hard-to-procure ethyl acetate and ethyl alcohol, is now available in fairly sizable quantities, in both tankwagons and drums, from one source, and is being eagerly availed of by the trade.

Synthetic Resins

Cellulose Acetate Butyrate.—In line with its recent previous rulings, releasing certain chemicals which are in adequate supply from allocation controls for civilian enduse, the Chemicals Bureau of the War Production Board has lifted allocation controls for civilian use hitherto prevailing over cellulose acetate butyrate, urea and melamine molding powder used in the manufacture of plastics. This has been accomplished through the lately authorized amendment to order M-300. Molders requiring cellulose acetate and cellulose acetate butyrate must send their purchase orders with enduse certifications to their suppliers by the fifteenth of the month preceding requested delivery, while for urea and melamine molding powder, the purchase orders with enduse certifications should be sent to the suppliers by the eighth of the preceding month.

Phthalic Anhydride.—Because of the increasing scarcity of this material under the inroads made by military needs, WPB's Chemicals Bureau has pared down many of the applications for allocations thereof for use in making alkyd resin coatings. Grade I has been limited in the October allocations to 31.5 percent in paint and grade II is limited to 16 percent.

Naval Stores

With producers of gum rosin either unwilling or unable to sell their relatively small holdings at the ceiling prices issued by the Office of Price Administration September 20, trading in this commodity has sunken to ebb-tide levels on the Savannah Cotton and Naval Stores Exchange, and elsewhere, too, during the past week. A slight stiffening of the price bid for gum turpentine on that exchange has constituted the only enlivening feature of the entire naval stores market at the primary centers.

Meanwhile, however, the opinion prevailed that OPA will eventually accede to the urgent pleas of the industry's advisory committee for the establishment of materially higher ceilings for all grades of rosin, at levels approximately 24 cents per 100 pounds above the current maximum figures, on the ground that such higher ceiling prices are warranted by the greatly increased cost of production and the growing tension of the supply situation.

Locally, the demand for turpentine and rosin, on both export and domestic accounts, has continued very light.

Turpentine.—Increasing competition for the comparatively small offerings on the Savannah Exchange, all of which were immediately absorbed on each trading day, brought about an uplift of a quarter cent to 78¾ cents per gallon, shortly after the outset of trading in that institution, this past week, but this price level was not maintained, as a reversion to 78½ cents followed.

Savannah, Oct. 6.—Following is a record of the market for the week:—

	Bulk gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Monday ..	78½	2,400	159	15	27,980
Tuesday ..	78⅝	5,100	90	494	27,576
Wednesday.	78½	200	45	163	27,458
Thursday..	78½	1,850	55	85	27,428
Friday ...	78½	2,300	28	266	27,836

Chicago, Oct. 6.—Turpentine business remains good. Current developments are routine, but undertone is still strong. Ruling prices are:—Five-drum lots, 92c.

Speed Production with C LIMEOLITH
- An exceptionally easy and quick grinding pigment.
- Aids dispersion of other pigment.
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KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

per gallon; five wood barrels, 97c.; single drums, $1.

Rosin.—Prices for all grades of gum turpentine have been held firmly at the levels of the new ceilings this past week, with the distributors unable to advance their bids in order to procure the supplies offered. Producers have appeared reluctant, when not actually refusing, to sell at these figures, with their offerings insufficient in some grades while ample in others. In consequence, trading on the Savannah Exchange has fallen to meager proportions, with operators occasionally merely marking time.

Savannah, Oct. 6.—Following is a record of the market for the week:—

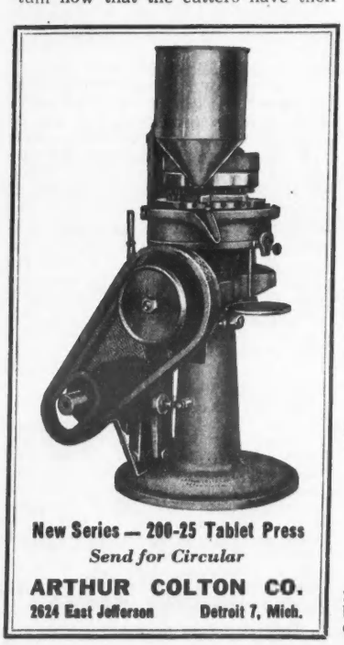
	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$4.81	$4.81	$4.81	$4.81	$4.81
D	4.88	4.88	4.88	4.88	4.88
F	5.41	5.41	5.41	5.41	5.41
F	5.51	5.51	5.51	5.51	5.51
G	5.55	5.55	5.55	5.55	5.55
H	5.57	5.57	5.57	5.57	5.57
I	5.57	5.57	5.57	5.57	5.57
K	5.61	5.61	5.61	5.61	5.61
M	5.63	5.63	5.63	5.63	5.63
N	5.79	5.79	5.79	5.79	5.79
WG	6.04	6.04	6.04	6.04	6.04
WW	6.31	6.31	6.31	6.31	6.31
X	6.31	6.31	6.31	6.31	6.31
	Drums—				
Sales	...	...	...	...	...
Receipts	109	294	397	105	189
Shipments	...	352	126	284	200
Stocks	18,454	18,396	18,667	18,488	18,403

Chicago, Oct. 6.—Market conditions in rosin remain extremely firm and tight. Orders are reported being placed on a rather active basis. Ruling prices in five-drum lots are:—B grade, $6.56 per 100 pounds, net; G grade, $7.26; M grade, $7.38; W.W. grade, $8.06.

Varnish Gums

Copal.—Arrivals of 13,055 bagfuls, or approximately 718 tons, of Congo copal, representing the last of the shipments of this material procured at the source under old licenses, have been noted, following closely upon official announcement that the Combined War Materials Board has made the allotment of 5,000 additional tons to American importers for next year, as requested by WPB, while licenses covering the 3,000 tons previously allotted to the American interests for the second half of this year have also been granted and will be exercised as soon as sufficient cargo space becomes available at the country of source. Thus, the outlook for a more comfortable supply situation in this natural resin has been notably improved. Meanwhile, varnish makers and manufacturers of resin emulsion paints continue to absorb local stocks about as rapidly as received.

Shellac.—With the government giving the green light to private interests to resume importations of any and all types of this material from their country of origin, negotiations for an extensive resumption of these operations are already well under way and expected to swell the inflow of 1944 Bysacki crop lac into the United States, hitherto directed and controlled by the government authorities. Hence, a fairly liberal quantity of all types of shellac seems in a fair way to be made available for the trade in this country within the near future, especially as more bleacheries are amplifying the output of white shellac made from seedlac, while cutting of this and orange flake are also gaining momentum now that the cutters have their quota of denatured alcohol increased from 50 percent to approximately 62 percent of their 1941 consumption. Meanwhile, the demand for all grades continues keen.



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Plastic, Coldwater Paint, Calcimine Sales: August

Sales of plastic and coldwater paints and calcimines, as reported by sixty manufacturers to the Bureau of Census for August, 1944, compared with the totals for the corresponding month of 1943:—

Plastic Paints

	Pounds	Value
*Total	506,489	$37,924

* Includes paste and dry powder plastic paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	1,737,131	$137,553
casein-bound	324,743	20,687
Interior, casein-bound, paste or semi-paste form	379,000	459,303
dry-powder form	581,035	50,164
glue-bound	188,492	6,188

* Gallons.

Calcimines

	Pounds	Value
Hot-water	724,228	$31,610
Cold-water	1,342,456	66,330

Sales of these products for August, 1944, compared with those for August, 1943, were as follows:—

	1944	1943
Plastic paints.....lbs.	506,489	539,141
value.	$37,924	$4',129
Coldwater paints.value.	$673,805	$699,749
Calcimines .....lbs.	2,066,684	2,802,500
value.	$97,940	$133,904

Glues and Binders

Casein.—With the recording of additional arrivals of 20 tons of casein of foreign origin, the market for this binding and coating agent has developed further weakness, as the demand from all classes of consumers has waned still further. Accompanied by a continued languishing of domestic production, this apathetic attitude on the part of normal users, including the plastic paint trade, paper coaters and manufacturers of plastics, has been reflected in a lowering of prices asked for the imported material to the extent of another half cent, making the revised quotation for acid-precipitated Argentine casein 17c. to 17½c. per pound.

Glues.—Except for the unrelieved shortage of manpower in the factories making the finished products, conditions in the market for both hide and bone glues are fast becoming fairly satisfactory.

Current Market Quotations

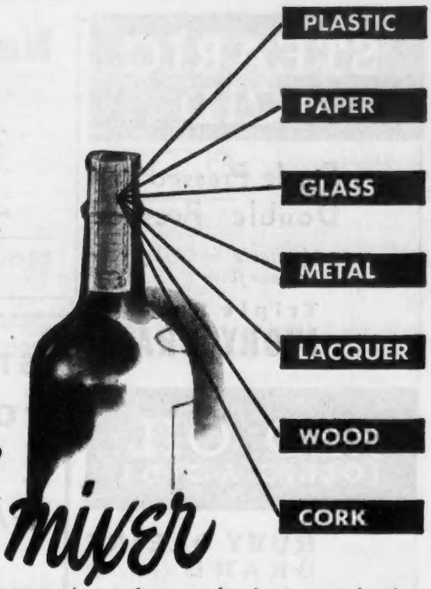
—Continued from page 33

Zinc, silicofluoride, bbls.	lb.	.15 - .18
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
ton lots, frt. equald.	lb.	.30 - —
smaller lots, frt. equald.	lb.	.31 - —
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
flake, bgs., c.l.	100 lbs.	3.80 - —
l.c.l.	100 lbs.	4.55 - —
powd., bgs., c.l.	100 lbs.	5.35 - —
l.c.l.	100 lbs.	6.10 - —
Zinc sulphate in bbls., 25c. higher.		
Sulphide,[1,6] pure, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.09¾- —
barium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
calcium pigment, bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0585- —
fluorescent, pigment, works, frt. alld.	lb.	.90 - 1.00
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others.		
Sulphocarbolate, NF, bbls., dms.,	lb.	.28 - .31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 - 2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd. E. of Rockies.	lb.	.06¼- —
dlvd. Pac. cst.	lb.	.06¾- —
ex whse. Pac. cst	lb.	.07 - —
Zirconium hydride, cns., works.	lb.	7.00 - 8.00
Nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton	75.00 -100.00
white, 98%, grd., kgs., works. ex whse., Pac. cst.	lb.	.07 - —
	lb.	1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for October 2.

When an adhesive must be *a good mixer*



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Fulton Bags carry through. It takes a tough moisture resistant bag to get there in good shape, protecting its contents under all loading and shipping conditions. The waterproof paper lined cotton and burlap must be of even strength—the bag seaming must be dependable and stand up under the pressure of weight and handling. Our plants have supplied millions of bags for use in combat areas. Back here at home bags must move a long list of essentials ranging from hygroscopic chemicals to food items. Many Fulton Waterproof Paper Lined Bags are replacing containers made of critical materials—metal drums, wooden boxes and barrels. We will continue to serve for war and the home front to the limit of our ability.

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Available in either cake or flake form

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(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

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Oils, Fats, and Waxes

War Food Administration has amended War Food Order No. 42 so that after September 30, it will include only the provisions regulating the use of fats and oils in edible products, and has issued separate orders WFO 42a and WFO 42b to limit their use in protective coatings, coated fabrics and floor coverings, and in soap. WFO 42 formerly covered all these products.

The following changes also have been made in regulations which have been in effect:

Beginning with the third calendar quarter (July-September), all quota users of fats and oils under the three orders are required to report their quarterly consumption directly to WFA.

All users of fats and oils who are subject to the three orders and to WFO-42-1 and whose consumption is more than 15,000 pounds per calendar quarter are required to report monthly and quarterly to the Bureau of the Census. The minimum reporting requirement formerly was 6,000 pounds per quarter.

Users of fats and oils in soap, and in protective coatings, coated fabrics and floor coverings are allowed 10,000 pounds per calendar quarter in addition to their quota to adjust certain inequities which otherwise would exist. The additional 10,000 pounds, however, may not be used until the quarterly quota has been consumed. Unused portions are forfeited at the end of each quota period.

The use of two pounds of oil in a gallon of paint is permitted when quotas are derived from the manufacture of casein or paste water paint. Only one pound formerly was permitted.

For the period ending March 31, 1945, fish oil may be used without restriction if the manufacturer deducts the amount of fish oil he included in determining his base period use.

Vegetable oil foots may be used on the same basis as washed recovered linseed oil, charging only 50 percent of the amount used against his quota. These changes are made now in view of the heavy seasonal production.

Vegetable Oils

Oiticica.—Market quiet, but steady. Receipts were reported some 2,785 drums.

Olive.—There has been no definite change in the confused olive oil situation. Offers of edible oil for shipment from Spain were received locally which would bring the landed cost to $5.10 per gallon in drums, provided permits to ship the oil were granted by the Spanish government.

Palm. — Some 1,167 tons were received, the bulk of which was consigned to consumers against former contracts.

Soybean.—Recent heavy trading in crude oil at ceilings absorbed the bulk of the output for October-December delivery. Buyers were in the market for additional quantities with crushers not offering to any extent.

Atlanta, Oct. 4.—Cotton harvesting is behind schedule because of the labor shortage with the exception of two States with small production. Ginnings and available seed are proportionately small, and production of cottonseed meal, oil and hulls light. Active demand well above the supply and the market remains firm. Good progress in harvesting peanuts with war-prisoner labor in the peanut belt of the Southeast.

Flaxseed

Seed offerings scarce with crushers competing for prompt arrivals.

Minneapolis, Oct. 4.—Local flax receipts are disappointing to crushers, and competition is very strong. From 85 to 90 percent of the arrivals usually are applied on arrive contracts, so there is no great quantity of free seed available.

Crop movement in bushels follows:—

	Receipts		Shipments	
	1944	1943	1944	1943
This week	1,053,000	1,486,500	67.500	43,500
Since Sept. 1.	5,134,000	10,044,000	604.000	795,000

Market Trends

Prices Advanced

None

Prices Reduced

Menhaden oil, refined grades, 1c. per lb.
Sardine oil, refined grades, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
192.1	192.7	192.7	195.4

The week's closing flaxseed price range was as follows:—

	Cash	Dec.
Saturday	$3.10	$3.10
Monday	3.10	3.10
Tuesday	3.10	3.10
Wednesday	3.10	3.10
Thursday	3.10	3.10
Friday	3.10	3.10

Buenos Aires, Oct. 6.—Flaxseed shipments to United Kingdom were 134,000 bushels and none to other points. Visible supply was estimated at 4,528,000 bushels. Flaxseed for export was quoted at $2.26½ per bushel, U. S. funds; Rosario, $2.17⅜ per bushel.

Hull, Oct. 6.—Bombay, October, £32, nominal; Calcutta (no quotations); La Plata, October, £30, nominal.

Linseed Meal

Light offerings of meal continued to restrict business. Demand active for prompt and nearby delivery.

Minneapolis, Oct. 4.—Demand for linseed meal is always good and trade is restricted by the ability of the crushers to offer. Crushers continue to sell ahead for sixty days' delivery in a moderate way and refuse to accept business for delivery within the next year.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	9,180,000	12,540,000
Since Sept. 1	19,380,000	25,840,000

Linseed Oil

Consumers continued to absorb good-sized quantities of oil against former contracts, while little interest was manifested in new commitments. The market continued in a firm position, reflecting the strength of seed. Reports from the West state that crushers were in the market for seed for prompt and forward delivery, with business limited due to the lack of offerings.

Prices were firm. Raw oil was unchanged at 14.7c. per pound, in tankcars and tankwagons.

Minneapolis, Oct. 4. — A moderate amount of round-lot trading in oil developed late last week, but there was no important business transacted this week. Crushers have plenty of contracts on their books and also have plenty of shipping instructions to work on.

Shipments of linseed oil in pounds were as follows:—

	1944	1943
This week	7,860,000	7,800,000
Since Sept. 1	16,980,000	15,560,000

Cottonseed Oil

While trading in futures was light, the market was firmer, scoring moderate gains. Refined grades were in good request on allocations.

An active inquiry featured the crude oil market. Crushers were still backward in offering new-crop oil due to the limited seed receipts as the result of lateness in the harvesting of the cotton crop and ginning operations, which have been delayed by the shortage of labor.

In line with the previously announced reduction in the support price on hogs for October 1, 1944, the War Food Administration has amended War Food Order No. 75. The amendment (17) establishes officially a support price of $12.50 per hundredweight, Chicago basis, for good and choice butcher hogs weighing 200 to 240 pounds beginning October 1.

Bleachable oil prices follow:—

	Cents per pound in tanks		
	High.	Low.	Close.
October	....	....	14.31 nom.
December	....	....	14.00 nom.
March	14.05	13.95	14.00-14.10
May	14.05	14.05	13.90-14.00
July	....	....	13.85-14.00
September	13.25	13.25	13.15-13.18

Total sales, 8 contracts.

Cash, 14.31c. nom.

Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12c. (all ceiling prices).

For Current prices see alphabetical listing beginning on page 9.

Memphis, Oct. 6.—Scattered sales reported for crude oil for deferred delivery. Mills behind on deliveries for nearby shipment, due to scarcity of labor. Frequent rains delaying cotton picking. Present indications point to increase in cotton yield above the last government report. Demand active for cottonseed meal and hulls, with crushers not offering freely.

Cake and Meal

War Food Administration announced that processors of oilseed meal shall set aside 20 percent of their production of cottonseed, soybean, linseed and peanut meal, cake or pellets during November, 1944.

Grease and Tallow

Grease.—Firm conditions continued to feature this market. Demand was active but trading was moderate owing to scarcity of offerings. The better grades were sold well ahead. Lower grades were in slow call, with prices steady at ceilings.

Tallow.—An active inquiry continued during the week. Production was sold up and lack of offerings restricted business. Prices of all grades were firm at ceilings.

Fish Oils

Sales of round lots of crude sardine oil at 5c. per pound below ceilings on the Pacific coast recently resulted in refineries lowering the prices of refined grades about 1c. per pound. Trading was moderate at the decline. However, during the past week the market on the coast was firmer with business reported at ceilings. This may strengthen prices of refined grades. Prices of refined menhaden oil also were weak and lower.

San Francisco, Oct. 4.—The trade here expects a greater demand for fish oils with the new WFO 42 amendment, and in all probability oil will begin moving at the crude sardine ceiling of 66.75c. per gallon. Meanwhile, it is reported that 30 tanks moved at 61c. per gallon this past week.

Baltimore, Oct. 4.—The unfavorable weather with which the menhaden fishing companies have had to contend in the Chesapeake bay and the areas further north, has made it doubtful whether the later results would justify continuance of operations. The rain of yesterday again put a crimp into the fishing and held down the addition to the stock of oil to very small figures. And yet there is no indication so far that the poor season has made purchases of oil to increase holdings. Crude was quotably unchanged at the ceiling, 8.9c. per pound.

Waxes

Buying interest has slackened appreciably and the market was quiet and featureless during the week. Prices, however, continued firm. Large consumers have been manifesting little

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Beehive Brand BEESWAX
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interest of late and their requirements were said to be satisfied, in some instances for the balance of the year. Trading was confined to small lots for immediate needs. Receipts of beeswax were reported totaling 1,010 blocks; carnauba wax, 666 bags, and ouricury wax, 444 bags.

Perkin Medal Won

—Continued from page 7

He was also awarded the Sheldon Fellowship from Harvard, and under this Fellowship did post-doctorate research at the Kaiser Wilhelm Institute fur Chemie, in Berlin. Here in the laboratory of Professor Richard Willstatter he isolated and established the chemical constitution of the pigments of geraniums, scarlet sage and dark red chrysanthemums.

On his return from Europe in 1915, Dr. Bolton entered the employ of the du Pont company, at the Experimental Station in Wilmington, Delaware. In 1916 he was placed in charge of a group of chemists to study the preparation of synthetic dyes. Dr. Bolton became director of the chemical section of the dyestuffs department in 1921 when the present plan of decentralized research was put into effect. He remained in this capacity until 1929. He was made assistant chemical director of the du Pont Company in 1929 and became Chemical Director in 1930.

Chlorine Allocated

—Continued from page 4

third of the amount of chlorine allocated to him in that quarter for use at that consuming point without special authorization from WPB. If one-third of the amount of chlorine allocated to any one consuming point cannot be fully shipped in standard containers (tankcare), the delivery of that amount can be exceeded by enough chlorine to permit shipment of a full container (tankcars) without special authorization. The total amount of chlorine shipped during the quarter to any one consuming point shall not exceed the total amount allocated to that point without special authorization. Consumers of chlorine for sewage treatment and purication shall be exempted from this ruling.

Chlorine allocations for the fourth quarter amounted to 338,554 tons, WPB officials told the committee. The breakdown of the allocation for various uses is as follows:—

Water and sewage purification, 10,699 tons; paper industry, 43,196 tons; textile industry, 439 tons; foodstuffs, 62 tons; magnesium production, 3,625 tons; metal refining, 1,632 tons; petroleum refining, 180 tons; processing of cotton linters, 1,600 tons; bleaching of shellac, turpentine, etc., 378 tons; calcium hypochlorites, 4,832 tons; sodium hypochlorite solutions, 5,890 tons; cellophane, 213 tons; chlorinated benzenes, 20,416 tons; chlorinated paraffins, 8,700 tons; organic solvents, 97,944 tons; other chemicals, 116,-168 tons; export, 2,135 tons; distribution in small cylinders, 4,644 tons, and miscellaneous, 15,801 tons.

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Textile and Leather Chemicals

Firm conditions featured the textile and leather chemicals market during the week. Among tanstuffs, wattle bark and extract and quebracho extract commanded the most attention. The higher price ceilings for wattle bark and extract resulted in an active trade, with buyers placing a backlog of orders at the higher levels. Offerings of wattle bark for nearby shipment from primary centers were available, while the acute shortage of extract has restricted offerings to the January forward positions.

Uncertainty in obtaining supplies of quebracho extract from the Argentine due to the barrings of American ships from ports in that country may result in higher import costs of this material. The landing of importations of extract arriving in Argentine vessels at New Orleans involves transportation charges from $8 to $10 per ton for overland shipment to tanning plants in the East.

In view of curtailed production of table oilcloth, the Oleo Resinous and Tower Oil Coating Industry Advisory Committee has recommended that the request of the Foreign Economic Administration for increased export quotas of oilcloth be denied, WPB has announced.

WPB officials told the committee that FEA had requested that its allotment of five percent of domestic oilcloth production for export be increased to 10 percent. In explanation of its recommendation, the committee pointed out that present production is insufficient to replace depleted stocks of oilcloth in retail outlets and therefore a further cut in these supplies brought about by increased quantities earmarked for export would not be advisable.

Chemicals

Aluminum Acetate. — Consumers continued to take moderate lots for prompt requirements. Market was steady and unchanged.

Soda, Hydrosulphite.—Trading was routine and confined to actual needs. Prices were steady.

Zinc, Dust.—Production of zinc dust during July totaled 2,229 tons and shipments 2,461 tons. Stocks on hand at the end of July were 486 tons, according to the Bureau of Mines.

Dyestuffs

Annatto.—Buyers were limiting demand to immediate requirements. Stocks continued small and were closely held at former levels. Receipts of seed were reported totaling 320 bags.

Fustic.—While trading was light, the market remained steady at current quotations. Supplies were sufficient to cover current needs.

Logwood.—Consumers were operating in a hand-to-mouth manner. Prices were unchanged.

Sizing Materials

Albumen, Blood.—Conditions in this market were firm, with trading fairly active. Prices were steady. Supplies were not excessive, but adequate to meet current consumption. Dried blood, soluble were in moderate request.

Albumen, Egg.—Due to the keen competition from frozen whites, the market for albumen was easier, and sales were made at least 6 cents per pound below the ceilings set by OPA recently. Demand for albumen was light. Granular, crystal, was quoted at $1.96 per pound, and powdered at $2.01 per pound, in barrels.

War Food Administration announced the purchase of dried eggs amounting to 438,150 pounds on September 18, and 23,625 pounds of dried whole eggs on September 19.

Corn, Sugar. — Steady consuming was noted during the week. Producers were sold well ahead, and were about two months behind in deliveries. Prices were firm.

Dextrin, Corn.—Trading was active and exceeded the supply. Production continued sold up, with the delivery situation still tight and behind schedule. Quotations were firm.

Market Trends

Prices Advanced

Wattle bark, $3 per ton.
Wattle extract, solid, 37c. per 100 lbs.
Wattle extract, powder, 45c. per 100 lbs.
Wattle extract, liquid, 25c. per 100 lbs.

Prices Reduced

Albumen, egg, 6c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
276.4	281.4	267.9	271.9

Egg, Yolk.—Buying interest in egg yolk was moderate at the lower ceilings prevailing during the past two weeks. Deliveries on contracts continued in good volume. Offerings were not liberal but supplies were adequate to meet current requirements.

Starch, Corn.—This commodity was in keener demand during the week with the production moving readily into consumption. Makers are said to have some difficulty in making prompt deliveries. Prices were unchanged and firm.

The visible supply of corn showed an increase of 325,000 bushels, totaling 8,907,000 bushels, for the week ended September 30, comparing with 7,406,000 bushels, a year ago, it was reported by the Chicago Board of Trade.

War Food Administration reported the purchase of types A and B totaling 6,009,500 pounds at prices ranging from 3.73 cents to 3.88 cents per pound in bags f.o.b. mills on September 13 and 14.

Starch, Potato.—Demand continued good. The overall picture for this season's production points to a limited supply and well below that of last year. Last estimates heard place this year's production at about 18,000 to 20,000 tons, as compared with last year's output of 30,000 tons. Prices were strong at ceilings.

Starch, Sweet Potato.—Consumers were awaiting the naming of prices for this season which were expected to be announced during the next two weeks.

Tapioca Flour.—Arrivals of tapioca flour of late, from primary centers, contracts for which were placed months ago, have helped to relieve the tight situation existing in this country. The bulk of arrivals, however, were for delivery to consumers and little material was available for resale. Receipts were reported at 2,333 bags and were consigned against contracts.

Tanning Materials

Divi-D'vi.—Scarcity of offerings for shipment continued to restrict business, though buyers were manifesting an active inquiry. The market was firm and reflected the strength at producing points.

Mangrove Bark.—Buying interest was fairly active, but with offerings from primary centers scarce, the market was quiet. Prices were firm.

Myrobalans.—Market remains firm. Recent arrivals have eased the tight supply situation. Offerings for shipment from abroad were more liberal at current prices.

Quebracho.—This market was firm and reflected the uncertainty in the shipping situation in the Argentine. The ban on shipments from that country in American boats which began October 1 may affect the tonnage of extract imported, the bulk of which arrived heretofore in American vessels. Importations in Argentine ships, which dock at New Orleans, will increase transportation charges from $8 to $10 per ton to tanning plants in the East.

Wattle Bark.—An active trade developed in wattle bark and extract during the week, following the announcement of higher price ceilings. Sales of good volume were transacted in bark at $53 per ton, ex dock. Offerings of bark for shipment were available from abroad, while an acute shortage of extract limited offerings to January-February shipment. An active demand from nearby positions was not satisfied. Some business in extract was done at the higher levels with buyers showing an active inquiry for additional quantities.

For Current prices see alphabetical listing beginning on page 9.

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Drugs and Fine Chemicals

Price movements reported last week in the drug and fine chemical market were exclusively downward. Articles affected were atropine sulphate, castor beans in Brazil, menthol in spot selling quarters, riboflavin, and thiamine hydrochloride. In addition, the Office of Price Administration granted the Defense Supplies Corporation an 80 percent advance in prices for some derivatives of cinchona bark under conditions which, OPA said, would leave consumer prices unchanged.

Cables concerning menthol reported serious damage by drought to the growing crop of peppermint. Unless rain comes, the damage may be more than now expected and could even be the cause of four to six month delay in beginning shipment of new crop menthol, now expected to start in January. A delay of that extent could well bring revaluation of actually spot menthol which, last week, was offered at lower prices by sellers seeking a reduction of inventories. While the immediate prospect is for new crop at lower prices later on, the drought can change the overall position.

The spot was about bare of quicksilver but little demand failed to raise prices. August production ran less than consunmption, according to the Bureau of Mines. The immediate situation might result in reopening of mines now closed. Opposed to that is the possibility of foreign metal reappearing should the war end soon in Europe, and also the existence of a large stockpile owned by the government. The present market is definitely tight.

Though ships flying the American flag no longer call at Argentine ports, movement of argols is expected to continue and Norwegian ships may be used to bring here the some 400 tons remaining there.

Fine chemicals finding excellent consumption during the Winter months came in for some improvement in demand. Numerous solvents remained in a very tight position, which is likely to continue so long as requirements of the armed forces remain at currently high levels.

Market Trends

Prices Advanced

None

Prices Reduced

Atropine sulphate, $1.25 per oz.
Castor beans, $2 per long ton.
Menthol, natural, 50c. per lb.
Riboflavin, $30 per kilo.
Thiamine hydrochloride, $20 per kilo.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
235.4	237.7	239.4	241.0

Acetone. — Leading suppliers declared that tightness in supply was unrelieved, nor were signs of any easing of the situation noted. Change in the availability of this article must await a shift in government requirements.

Argols.—About 400 tons of argols remain unshipped in Argentina. Importers have been informed that the government will permit it to come here notwithstanding its order forbidding ships under the United States flag to call at Argentine ports. It is suggested that the argols will be moved on Norwegian ships.

Atropine.—Alkaloid is now available at $7.85 per ounce and the sulphate is lower at $6.50 to $6.75 with competition the common lot of sellers. Very little attention is paid the alkaloid by buyers.

Butyl Acetate.—None but war uses are recognized at the present time and the supply situation remains tight as ever since government needs prevail at unabated high levels.

Caffeine.—Winter requirements have to be considered now and the supply situation is such as to continue the market in rather tight position. However, most medicinal requirements are expected to be met. Interest in citrated caffeine is bound to rise in the months ahead and no surplus is in sight. Sales of both continue at ceiling levels.

Castor Oil.—Replenishment arrivals of castor beans continue to build an excellent store of raw material. Latest additions to stocks total 10,603,200 pounds, which brings the total arrivals since January 1 last to 219,356,940 pounds. This total is ahead of that for the corresponding period a year ago when it was 208,132,350 pounds. Prices on beans were lower, transactions taking place at $61 per long ton, and later at $60, f.o.b. Brazilian ports.

Chicago, Oct. 4.—Although the market for castor oil seems to be adequately supplied, tone of the actual price situation appears fully firm. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¾c.; drums, less than car lots, 15c.; tanks, 13½c.

Codliver Oil.—Any broad change in the supply position of this oil must await successful operations in Norway which will bring liberation to that country and make possible a restoration of cod fishing in the interest of codliver oil producers whose products shall come on the world market. It seems not unlikely that when the Norwegian makers once more are able to offer more or less freely, United Nations buyers will eagerly entertain proposals. Whether the offerings will be made at prices higher or lower than the present values in replacement markets remains to be developed.

Fishliver Oils.—The position remains tight with transactions at ceiling levels and supplies unsold at this time said to be moderate. The outlook is for continued heavy consumption but with not much hope for an increase in available stocks.

San Francisco, Oct. 4.—Fish liver oils remain unchanged on the Pacific Coast. The supply of oil is very poor, and Seattle reports only 61 pounds of soupfin shark carcasses for week ending October 1.

Glycerin.—Stocks of glycerin in some government quarters holding a stockpile were reported considerably reduced. Much of the reduced inventory was crude glycerin, a fact which should aid domestic recoverers of crude who are without refining facilities. Increased domestic consumption of refined is a reasonable prospect and, when combined with a world requirement held in abeyance by the war, should build a favorable future for this material the price for which was recently reduced sharply. Effective October 10, a car lot of glycerin will be regarded as such only if it has a weight of 36,000 pounds or more, according to OPA amendment No. 1 to MPR No. 38. Heretofore the minimum quantity moved at railroad tariffs ranged between 20,000 pounds and 50,000 pounds. OPA has now made 36,000 pounds the break-point-weight between car lots and less than car lot prices. This was the industry's break-point-weight prior to price control.

Chicago, Oct. 4.—Interest of the buying trade in the glycerin market remains good, with movement fairly brisk, although mostly routine. Ruling prices are:—Chemically pure, tanks, 15c. per pound; drums, car lots, 15½c.; drums, less than car lots, 15¾c.; high gravity, tanks, 14¼c. per pound; drums, car lots, 14½c.; drums, less than car lots, 15c.

Menthol.—There is more to the menthol picture than the current price unsettlement suggests. While it is true that some sellers seek to reduce inventories by the price-shading devise, and while such reduction may find some support in the expected increase in Brazilian production in 1945, the fact is that some conditions now reported from Brazil make an increase less certain than some sellers have indicated. If the conditions change not for the better, then it may well be that the size of the new crop may be smaller than is now talked about and its shipment may be delayed even as much as it was last year when it began to move around March and April. If all goes well, it should begin to move in next January. Drought of an alarming sort is reported in the latest Brazilian cables and damage already done is said to be extensive. Losses are expected to be larger unless rains come. A delay in new crop movement could well make

For Current prices see alphabetical listing beginning on page 9.

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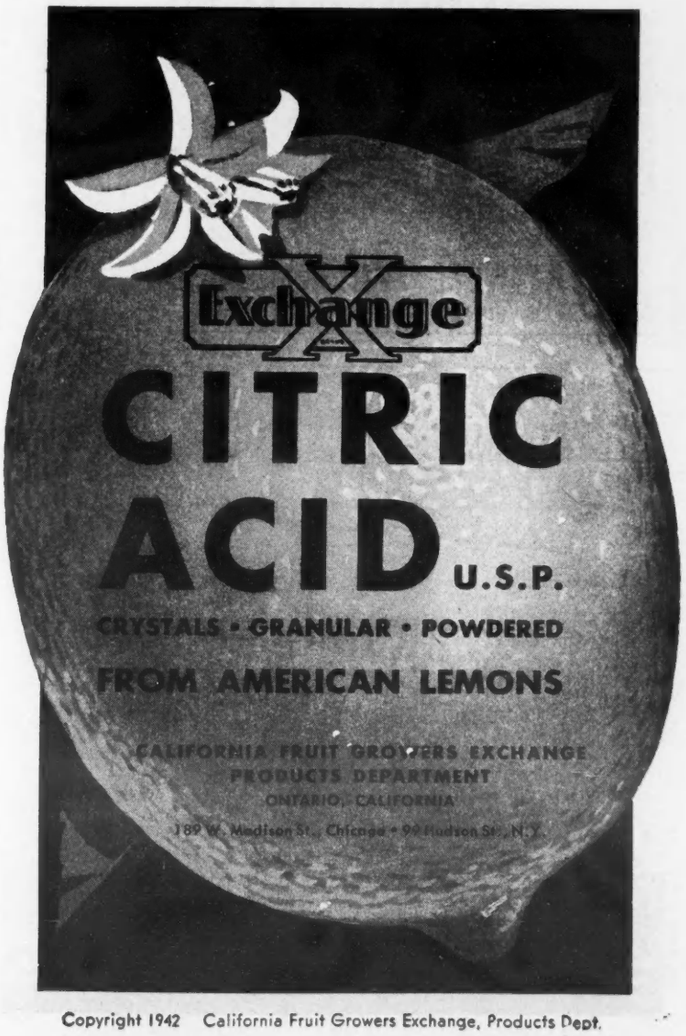

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menthol actually on spot a more valuable property than speculative activity suggests at the moment. The spot market was as low as $15.50 per pound last week but some larger operators maintain $16 to $16.25. Stocks gained 1,057 cases.

Methanol.—A factory for the production of synthetic material is to be erected in Sweden. Its initial capacity is reported at between 2,000 and 3,000 tons per year, according to the Department of Commerce.

Quicksilver. — There is practically no spot metal. Also, there is very little demand, according to some sellers. Against that was the fact that August consumption ran ahead of production, according to the Bureau of Mines. The result is a very tight situation at the moment, exploitation of which is retarded by the lack of substantial spot demand. Numerous factors influence the market approach of both buyers and sellers. The tightness of supply and the retrogression of production to some factors argues for a rising price trend, which might encourage reopening of closed mines. An offset to that tendency is the presence of a large government stockpile and the possibility that an end to war in Europe might result in foreign metal again appearing on this market.

San Francisco, Oct. 4.—The quicksilver market here is steadier than it has been for some time. Very little spot metal is being offered. Advance sales reported for delivery of metal in two or three months at between $100 and $105 per flask, f.o.b. San Francisco.

Quinine.—The Office of Price Administration, effective October 4, issued amendment No. 177 to revised supplementary regulation No. 4, by the terms of which present maximum prices for certain cinchona alkaloids and their salts sold by the Defense Supplies Corporation to other government agencies and to industrial users supplying these agencies, have been increased by about 80 percent. DSC production of the products was undertaken to insure an adequate supply of these antimalarials for military and defense purposes, and it has been determined that the price increases should be confined to sales made in furtherance of these purposes. OPA goes on to say that prices for sales to primary distributors, drug wholesalers, and other industrial users of these products remain the same, which means there will be no increase in their cost to ultimate consumers.

Riboflavin. — Prices were reduced last Thursday, effective at once, to the basis of $200 per kilo in lots of 100 grams.

Thiamine Hydrochloride.—Producers reduced quotations to $160 per kilo, effective last Thursday.

Drug Manufacturers Trademarks Compiled

The 1944 edition of "Trade-marks Registered with the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association" is ready for distribution. The publication is bound for permanent reference and contains a pocket for insertion of supplements. The price of the edition is $2. Copies may be obtained from Carson P. Frailey, executive vice-president and secretary, American Drug Manufacturers Association, 507 Albee Building, Washington, D. C.

Owens-Illinois Revamps Glass Container Div.

Coordination of merchandising, advertising and publicity functions of the glass container division of the Owens-Illinois Glass Company under a newly created sales promotion division, to be headed by Howard A. Trumbull, formerly merchandising manager, has been announced by Smith L. Rairdon, vice-president and general sales manager.

Corning Glass Buys Brazilian Company Interest

The Corning Glass Works has purchased a substantial interest in the Vidreria Santa Marina of Sao Paulo, leading glass company in Brazil. In 1943 the Corning company made a similar contract with Argentina's foremost glass concern, Cristalerias Rigolleau of Buenos Aires.

Mo. Drug Ass'n Meets

Associated Drug and Chemical Industries of Missouri held a meeting at the Coronado hotel, St. Louis, October 11. Carl Witter, of Anheuser-Busch, Inc., will speak on "The Domestication of a Microorganism."

Johnson & Johnson V.P.

Paige D. L'Hommedieu has been elected vice-president of Johnson & Johnson, surgical dressings manufacturer, New Brunswick, N. J., in charge of general line sales. Mr. L'Hommedieu joined Johnson & Johnson in 1929, and has held various managerial positions.

Continental Can Buys Mono Service Company

Continental Can Company, New York, has acquired for cash all of the assets and business of Mono Service Company, N. J., manufacturer of paper hot drink cups and paper food containers, Newark, N. J. The consideration was stated to involve approximately $3,000,000.

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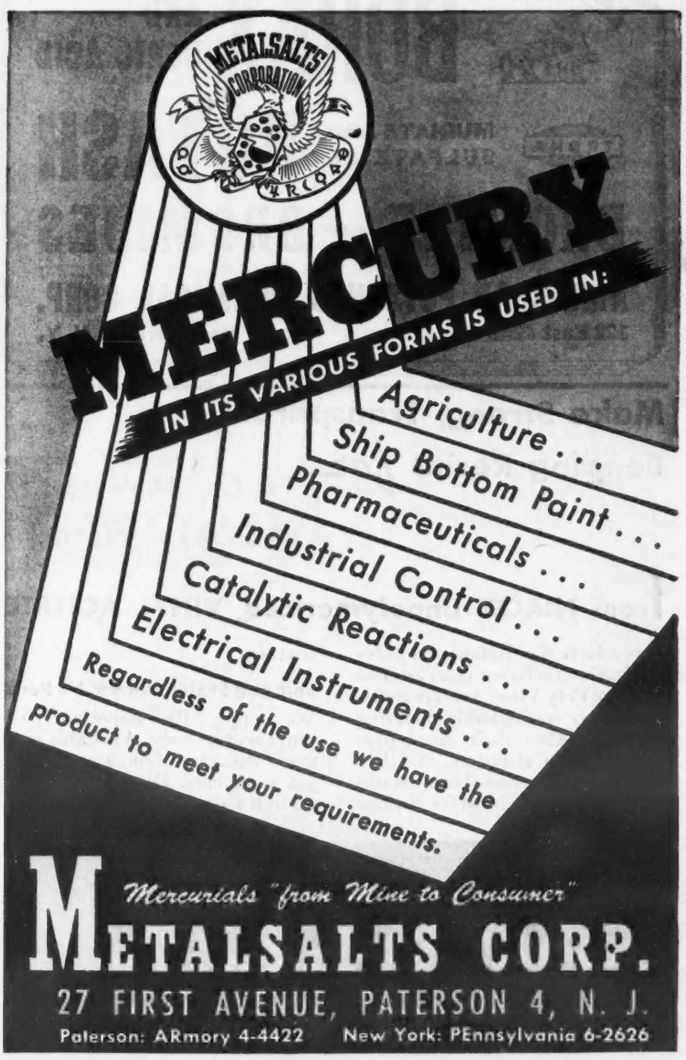
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Crookes Laboratories Sold to Americans

Crookes Laboratories, Inc., has been purchased by a group of American pharmaceutical manufacturers headed by Justin Haynes. Since 1929 the Crookes company has been affiliated with British Colloids, Ltd., also known as Crookes Laboratories of London, England, and Bombay, India. Justin Haynes, who is a director of a number of companies, including the Bristol-Myers Company, and the Rubberset Company, will serve as president. E. A. H. King, long associated with Crookes Laboratories, has been named executive vice-president.

Reconversion Signed

—Continued from page 3

the Surplus War Property Administration, submitted his resignation in keeping with his announced intention, to take effect when the majority of the new three-man board takes office.

In his statement on the surplus property bill, Mr. Roosevelt said that he was influenced into signing the measure because of the need for pushing the disposal program, but expressed the hope that after the board has had some experience it may be able to suggest needed changes on which congress will act. He added:

"While I am in full accord with the declared objectives of the bill which are to aid reconversion from war to a peace economy and to facilitate the orderly disposal of surplus property, I have considerable doubt whether many provisions will not make extremely difficult the accomplishment of its objectives.

"There is danger that the confused methods of disposition and the elaborate restrictions imposed by the bill will in many instances delay rather than expedite reconversion and reemployment. Our surplus property should speedily be placed into channels of disposition which should provide the most jobs and the greatest good for the greatest number."

He criticized the reconversion bill largely because of its failure to "deal adequately with the human side" of the problem, but recalled statements made in Congress to make a thorough study of the problems after the elections, and hoped that the deficiencies would be corrected without delay.

Cinchona Alkaloids

—Continued from page 4

ceived by the Office of Price Administration, has now been corrected.

Prices established in the amendment are as follows:—

Sales to the U. S. government, or any foreign government, or any agency of one or more of these governments, or to industrial users for use in fulfilling contracts with any of the above:—

	Maximum price per oz.
1. Quinine sulphate	$1.43
2. Quinine hydrochloride	1.66
3. Quinine bisulphate	1.36

Maximum prices in line with the above prices for sales to the above purchasers of other cinchona alkaloids or salts may be established by order of the Administrator upon application by Defense Supplies Corporation.

Sales to other industrial users and primary distributors:—

	Maximum price per ounce To industrial users and drug wholesalers	To primary distributors
Quinine—		
Alkaloid	$0.975	$0.853
Hydrochloride	.895	.783
Sulphate	.805	.704
Dihydrochloride	.995	.871
Bisulphate	.735	.643
Quinidine—		
Alkaloid (powder)	1.145	1.002
Alkaloid (crystal)	1.195	1.046
Sulphate	.845	.739
Cinchonine—		
Alkaloid (powder)	.715	.626
Alkaloid (crystal)	.755	.661
Sulphate	.555	.486
Hydrochloride	.635	.556
Cinchonidine—		
Alkaloid (powder)	.995	.871
Alkaloid (crystal)	1.025	.897
Sulphate	.665	.582

OPA defines "primary distributor" means one of the following persons purchasing for resale:—Mallinckrodt Chemical Works; Merck and Company, Inc.; S. B. Penick & Co.; the New York Quinine Chemical Works, Inc.

Aerosol Bomb Study Report

The postwar value of the aerosol bomb in combatting mosquitoes is emphasized in a report by H. H. Stage, Department of Agriculture entomologist, who has returned from Alaska after two months' investigation of the pests there.

Sterling Drugs Buy J. F. Ballard, Inc.

Sterling Drugs, Inc., New York, has purchased James F. Ballard, Inc., proprietary products, St. Louis. The purchase price was estimated at $1,365,000, based on terms of the sale whereby all of the Ballard Company stock is exchanged for 21,000 shares of Sterling Products.

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WPB Streamlined

—Continued from page 3

sonnel of the WPB announced over the last weekend was the resignation of Donald D. Davis as vice-chairman for Field Operations, and the appointment of James Folger, regional director at San Francisco, as his successor. Mr. Davis had resigned the presidency of General Mills Corporation early in 1943 to join the WPB and serve successively as director of the Program Bureau, Operations vice-chairman and vice-chairman for Field Operations. Mr. Folger is former president of the Folger Coffee Company, San Francisco.

It is reported that other changes among the policy making personnel also may be expected in the near future. Stacy May, director of the Bureau of Planning and Statistics, is understood to have submitted his resignation, but has been prevailed upon to remain with the agency until November 1.

The Task Committee report, which was approved in principle by the WPB this week, was based upon the proposition that the raw materials capacity of the country has been sufficiently increased to make possible the return of industry to normal peacetime operations in most instances, while at the same time meeting all the demands of the military for the successful prosecution of the war against Japan.

The plan of the committee calls for revocation on V-E Day of the great bulk of conservation, limitation, and other WPB orders and regulations; retention of orders in simplified form only where clearly necessary to protect military procurement or minimum civilian requirements basically essential to the effective functioning of the economy and progressive revocation or remaining orders as quickly as feasible.

In all, some 500 L, M, P, E, U, and R orders are on WPB books today. Of these about 200 apply to chemicals, textiles (including leather and cordage), and forest products (including containers)—in which widespread shortages, however, are expected to continue. Only half of the orders on this group of tight materials can be revoked immediately; about 100 will have to be retained.

Of the other 300 orders, covering other areas of the economy (particularly metals and metal products), it is proposed to revoke 250, leaving only 50. Thus all told, the proposal calls for revoking 350 out of 500 orders. And the 150 that are to be retained will be greatly simplified. In effect, orders controlling hard goods—metal products—are to be virtually eliminated.

With respect to chemicals, Mr. Batcheller said that he was informed by Dr. D. P. Morgan, director of the Chemicals Bureau, that while there presently are some tight spots in production, the overall picture "was not heart-rending." Production facilities must be increased in some lines, he added, and said that $15,000,000 or new facilities were authorized in the past month.

The difficulties in chemicals, he pointed out, arise chiefly from new military and essential civilian requirements, listing as among those items for which demands continue to outpace supplies, carbon black for rubber production, tetraethyl lead, anhydrous hydrofluoric acid, plastics for bomber noses, and nitrates, sulphuric acid and phosphorus for bombs and ammunition.

Made President

Guy S. Dunbar has been elected president and general manager of the Burroughs Wellcome & Co. (U.S.A.). He succeeds Thomas Nevin as president. Mr. Nevin retired under the age limit after thirty-three years of service. R. C. Ralphs, treasurer, and W. F. Weber, secretary, have been elected vice-presidents.

Phila. Drug Exchange Holds Annual Outing

Philadelphia Drug Exchange held its annual outing at the Lu Lu Temple Country Club, North Hills, Pa., October 4. One hundred and seventy-four members and guests were in attendance. Golf prize winners included:—W. R. Cleary, of the Barrett Division of the Allied Chemical & Dye Corporation; J. B. Davis, E. F. Schafer, of the Owens-Illinois Glass Company. Dinner was followed by a floor show. show.

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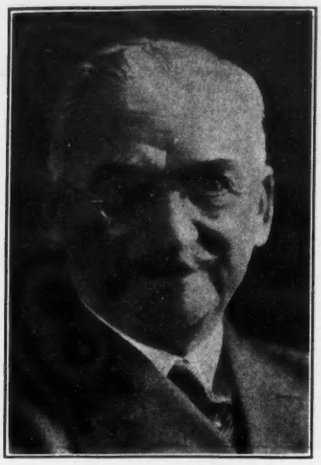

Dr. Maximilian Toch, internationally known paint technologist, will be tendered a testimonial dinner by the New York chapter of the American Institute of Chemists, in the Building Trades Employers building, October 27.

Industrial Research

—Continued from page 3

tifically trained officers through which a unified defense agency would facilitate. Mr. Patterson added:—

It envisages the training of a group of talented young scientists within the existing framework of the armed services as an integral part of the Army and Navy. Once their talents were demonstrated, they would be given full opportunity to keep pace with the advance of science by post-graduate work in universities and industry.

Dr. Midgley was of the opinion that more and more research of the fundamental type will be necessary. He added:—

Should such research be done in the actual industrial laboratory or would it be better, in most instances, to delegate it to the educational institutions? Admittedly, some special cases will occur wherein the fundamental knowledge will be needed so quickly that the higher tempo of the industrial laboratory, for obtaining results, will be indicated and other cases will occur where the need for secrecy is so great that it can not be entrusted elsewhere. However, the majority of cases should be such that they may be safely entrusted to the research staffs of our universities and colleges for study. This attitude should be encouraged whenever possible.

Mr. Derby discussed the guiding principles and objectives for the commercial programs of industrial research and development organization. He said that the horizons of research were limited and he held that such research programs are economically sound if they have as an objective the production of better goods at lower cost.

Small business has the same opportunity for growth as big business has had only today the opportunities are greater, Dr. William told the forum. He said that to survive and grow larger small business must not only embrace research, but it must protect its development by the patenting of its inventions.

Edwin H. Land, president of the Polaroid Corporation, suggested an entirely new idea in corporate organization in that each company must remain small.

When it grows to some arbitrary size, perhaps between 500 and 2,000 employees, some of the younger men should be encouraged to take one of the new developments and start a new company of the same type, in which, ideally, the old company has an interest and partial control only for a few years. Such a program seems to approximate an attractive industrial counterpart of Jefferson's concept of an American agricultural democracy.

Dr. Jewett discussed the future of industrial research from the physicist's viewpoint. He said:—

The primary responsibility of a research and development organization to the industry with which it is associated is, of course, in the new or improved things which it brings to that industry. Increasingly the choice of what research organizations undertake to do—and their capacity for doing them efficiently—are coming to dictate much of industrial policy. Wise management will see to it that those who direct its research and development organization are an integral part of its policy making group.

James Lane Joins Standard Synthetics

James Lane, formerly with Burroughs Wellcome Company, has joined Standard Synthetics, Inc., New York. Mr. Lane will act as an executive of the company assisting the president, Edward Remus and J. L. Hindle, technical director.

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Fertilizer Materials

Changes in the program for military requirements have reduced the amount of chemical nitrogen available for agricultural use, according to WPB. Present expectations are that 530,000 tons, including 30,000 tons of organic nitrogen will be obtainable from this year's production. Contributing to the reduction has been the changes in War Department demands affecting nitrogen solutions and ammonia nitrate. Only about 60 percent of requests for solutions were granted for September delivery and an additional cutback of 5 percent is anticipated for October. Last year's consumption of solutions was estimated at 135,000 to 140,000 tons of nitrogen, while the forecast for this year is down to 59,000 tons.

Although the supply of ammonia sulphate has been sufficient to meet allocations, production of this material is always regulated by the steel output. If the collapse of Germany forces a reduction of steel production, the output of ammonia sulphate will be affected accordingly. Official estimates placed A-N-L and calnitro output this year at 50,000 tons compared with 60,000 tons in 1943. Superphosphate output will likely be lower than former expectations. The availability of sulphuric acid being a determining influence on the amount of superphosphate that can be produced.

War Food Administration purchased 30 tons of fish meal at Monterey, California, on Sept. 7 and 30 tons at San Rafael, on Sept. 15. Both transactions went through at OPA prices.

Nitrogenates

Ammonia Nitrate.—Supply outlook uncertain. Canada has agreed to increase its allocation by about 20,000 tons which is expected to help out in the Eastern area. Reports were current that domestic production would be cutback one-fifth in February and eliminated in March, the entire output at that time going for army use.

Ammonia Sulphate.—Production for the month of August was placed at 137,152,645 pounds by the Bureau of Mines. This compares with 137,970,138 pounds in July, a decline of 0.6 percent. Stocks at the end of August were 158,923,429 pounds against 150,755,600 pounds at the end of July, an advance of 5.4 percent.

Castor Pomace.—Remained tight for both prompt and future shipments. Production reported well sold ahead with output governed primarily by the oil situation. Sellers were inclined to look for short stocks throughout the last quarter. Inquiry remained active. Sizable importations of castor beans have been noted for some time.

Hoof Meal.—Sales reported when material was available. Production light with demand fairly active. Prices generally firm at former trading levels.

Soda Nitrate. — Demand reported steady with a tendency to expand. According to official statements, a shipping rating of A-3 has been secured for 500,000 tons of Chilean nitrate and a B-3 rating for 350,000 tons while a total importation of 1,000,000 tons is being considered. Importations last year were 597,000 tons.

Phosphates

Phosphate Rock.—Shipments from mines reported fully up to demand from acidulators. Total movement satisfactory but uncertainty of labor and acid supply at phosphate producing plants may force final totals a shade under a year ago. Price structure firm, increased labor costs contributing strength to the market's position.

Superphosphate. — Sulphuric acid conditions have upset former estimates of production of superphosphate. Diversion of ordnance acid into military channels has brought down opinions as to the prospective output. Both labor and acid supplies are paramount influences governing production of superphosphate. A cessation of military activities in Europe should increase the flow of acid but, according to official opinions, at present it looks as though the production of superphosphate basis 18 percent a.p.a. would exceed 7,000,000 tons by a small margin.

Market Trends

Prices Advanced

Domestic ammonia nitrate, $2 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Potashes

According to WPB, the production outlook is not quite as encouraging as it was two months ago, although it is still considered more abundant than nitrogen or phosphate. An increase in the supply of muriate is reported while the production of sulphate may fall short of demand. Ways and means are under consideration at present to have muriate converted into sulphate at a nominal cost although details are not available at this time.

Sulphur and Pyrites

Heavy shipments from sulphur mines have gone forward to satisfy a broad consuming demand. Difficulty experienced some time ago in securing large cars to handle this material has been relieved and tonnage moving has been fully up to seasonal expectations. No serious complaints have been voiced regarding labor shortages. The situation in Spanish pyrites remained quiet and nominally unchanged.

Markets at Other Centers

Atlanta, Oct. 6.—Movement of fertilizers for use under fall-sown grains is considered practically ended in the South. Indications are that the demand has been very little better than last year in spite of the fact that weather conditions have been favorable for land preparation. Labor shortage and worn-out farm machinery are considered the main factors in preventing a larger sowing of small grains in the South.

Fertilizer manufacturers are now devoting their energies entirely to the production of fertilizers for spring planted crops. Progress is reported slow because of labor shortage, a shortage that many manufacturers hope can be relieved as soon as the cotton crop is harvested. Most of the materials are reported arriving regularly at the plants at present faster than they can be converted into mixed fertilizers, but as usual the manufacturers are short on organic ammoniates.

Baltimore, Oct. 6.—With the season drawing to a close when at least some fertilizer products are urgently needed and when delay in deliveries cause embarrassment, the demand for labor to operate plants will become less of complication than it has been, and the trade will settle down to planning for the future. Fishing season is nearly over. Weather conditions have continued to hamper operations and production of scrap has remained light. No price changes were recorded.

Chicago, Oct. 6.—Business was quiet, with a tightness of supply continuing in nitrogenous fertilizer materials. Organic items were still in limited supply, while buyers in general apparently were willing to take substantial quantities. Orders remain in rather good volume in the case of most of the principal grades of materials. Dried Blood.—Principal grade quoted at $5.53 per unit of ammonia. Tankage.—Feeding grade, $5.53 per unit; hoof meal, $4.25 to $4.50; liquid stick, $1.75 to $2, tankcar. Bone Materials.—Ground, steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $45 per ton; dry, rendered tankage, hard pressed, $1.25 per unit; 50 percent meat and bone scrap, $68 to $70.

Los Angeles, Oct. 6.—The ammonia nitrate situation is tightening up on the coast because of heavy military demands. From present trends it is unlikely that there will be many shipments of ammonia nitrate by the end of the year. The organic situation remains unchanged. Fish meal held firm at established ceilings with demand continuing in excess of the moderate market supplies. Production at Monterey was fairly heavy but poor fishing conditions made for a light output at bay region plants. Ammonia nitrate named at $65 per ton, f.o.b. production point, with freight allowance up to $4.40 per ton. Ammonia phosphate quoted at $45 per ton for 16/20 grade and $57 for 11/48 delivered, California plant.

For Current prices see alphabetical listing beginning on page 9.

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Botanical Drugs, Spices, Gums

Further readjustment of spot prices for new crop domestic botanicals was noted and the changes were mainly in upward direction. Some changes in quotations on a few imported crude drugs were also noted. When the changes on domestic and imported drugs were collated, the weight of change was on the down side of the market and a further reduction in the botanical drug index was effected.

Particularly strong market position was reported for berberis, ladyslipper, liverwort, senega, spearmint, spikenard, and witch hazel. To get these articles collected at all, collectors had to pay relatively high prices to attract workers. Therefore, when consumer prices were established on new crop goods, there was nothing for it but to advance quotations for consumption sales sufficiently to cover the additional costs of collection.

Some imported botanicals appeared as part of the rising market. These included dandelion, licorice, orris, pennyroyal, rhatany, Mexican sarsaparilla, and edible St. John's bread. All movements were the result of higher replacement costs and a lessening of local competition notwithstanding the absence of more than moderate request. Exceptions to advances were rhubarb and valerian, stocks of both having increased at a cost sufficient to effect downward rectification of prevailing values.

In condimental items, news from Washington said that if clove spice can be got from Madagascar to a specified transhipment port, it will be brought here promptly since clove has been given one of the highest of shipping priorities. Also, OPA was said to be about ready to issue an amendment to its pepper price control, it being infered that higher ceilings on whole goods would grant the relief which the spice trade, consumers, and even members of Congress had been either asking or demanding.

Market Trends

Prices Advanced

Drugs

Berberis root, 3c. per lb.
Dandelion root, 10c. per lb.
Ladyslipper root, 15c. per lb.
Licorice root, 4c. per lb.
Liverwort leaves, 15c. per lb.
Orris root, African, 5c. per lb.
powdered, 5c. per lb.
Pennyroyal leaves, 1c. per lb.
Prince's pine herb, 10c. per lb.
Rhatany root, 6c. per lb.
Sarsaparilla root, Mexican, ½c. per lb.
Senega root, 5c. per lb.
Spearmint leaves, 5c. per lb.
Spikenard root, 5c. per lb.
St. John's bread, edible, 1c. per lb.
Witch hazel leaves, 4c. per lb.

Other Articles

Caraway seed, Canadian, 2c. per lb.
Morocco, dewhiskered, 2c. per lb.
Spanish, dewhiskered, 4c. per lb.
Celery, Indian, ¼c. per lb.
Pepper, chillies, Niger, ½c. per lb.

Prices Reduced

Drugs

Rhubarb root, whole, 10c. per lb.
powdered, 15c. per lb.
Valerian root, 10c. per lb.

Other Articles

Marjoram, Chilean, 1c. per lb.
Mustard seed, California, brown, ½c. per lb.
Ginger root, Cochin, unbleached, 2c. per lb.
Mace, W. I., 1c. per lb.
Paprika, Portuguese, choice, ¼c. per lb.
Thyme, Spanish, ¼c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
244.2	245.3	246.2	265.6

Balsams

Copaiba.—The market was very quiet. Orders called for jobbing lost most of the time and the total was unimpressive for size. Prices held.

Fir.—Firm undertones accompanied a market of but moderate activity. Little or no local competition was noted.

Barks

Barberry.—An arrival of 49 bags was reported. It was bark of root and reestablishment of firm spot prices may follow soon.

Soap.—Stocks have been increased to the amount of 144 bales. The addition failed to bring price weakness, though they seemed to be slightly easier at the close of the period.

Beans

Vanilla.—The market remains in statu quo. Insufficient stocks combined with strong price maintenance to create a situation not very favorable for buyers with "must" orders to place. It may well be that a considerable period of time must elapse before more beans of the Bourbon variety can be brought to this country. One obstacle is that very few boats come here direct from the primary market and even if given a fair priority on shipping space, the beans would probably have to be transhipped at some port before starting to this country.

Berries

Hawthorn.—Very few have anything in stocks and those with a limited supply can command their own price within the necessity of users to buy.

Saw Palmetto.—Firm in price, but not much sought for at this time.

Flowers

Chamomile.—Since no more steamships under the American flag may pick up cargoes in Argentina, and since transhipments of Argentine products at Montevideo are barred, further replacements of chamomile will depend on the arrival of ships under foreign registry.

Pyrethrum.—Stocks have increased to the extent of 1,651 bales, all of which are already earmarked for consumption, leaving very little wherewith to fill any new business that may present allocation authorizations.

Saffron.—Spanish flowers remained at the decline noted during the previous trading period. Even at $42 per pound, demand failed to respond beyond jobbing limits. However, it may be said that this item has reappeared once more in retail outlets, where it commands very high prices, but is sold in repacks of exceptionally small size.

Gums

Arabic.—Plentiful stocks were reported on spot and yet primary market suppliers were seeking new agents on this market for the sale of further quantities to this country. Some large importers are passing the article by at present unless they can persuade buyers to pay quite an advance over the general minimum on spot. Transactions seem to be mainly in small quantities. However, there are those who, taking a long view of the future of this article, believe that revival of world consumption will result in substantial rises in replacement costs.

Tragacanth.—Although some sellers are reported shading prices, the majority of long established merchants hold for and sell genuine No. 1 ribbon at $4.50 per pound. Grading of tragacanth always poses a problem, No. 1 meaning different things to different sellers.

Herbs and Leaves

Broomtop.—The replacement has been higher and sufficiently so to raise spot quotations to the basis of 18c. to 20c. per pound.

Liverwort.—The collection was small and obtained at much higher prices. Spot quotations have been adjusted to costs and stand at 85c. to 90c. per pound.

Pennyroyal.—Sales were made at the higher price of 16c. to 18c. per pound and the undertone gained strength by the rise.

Peppermint.—Only domestic leaves are available, but they are nominal at 45c. per pound, although some ask 70c. lowest.

Prince's Pine.—Advanced again and strong at 65c. to 70c. per pound.

Witch Hazel.—A higher market ruled at 14c. to 15c. per pound, with sales thereat reported last week under competitive circumstances.

Miscellaneous

Hops.—To insure equitable distribution of the available supply of hops to the brewing industry, WFA has re-

For Current prices see alphabetical listing beginning on page 9.

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FENNEL SEED
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HAWTHORNE BERRIES
CARDAMOM
PEPPERMINT
TAMARINDS
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UVA URSI LEAVES
VALERIAN ROOT
WILD CHERRY BARK
COLOMBO ROOT
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SARSAPARILLA ROOT
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KAMALA
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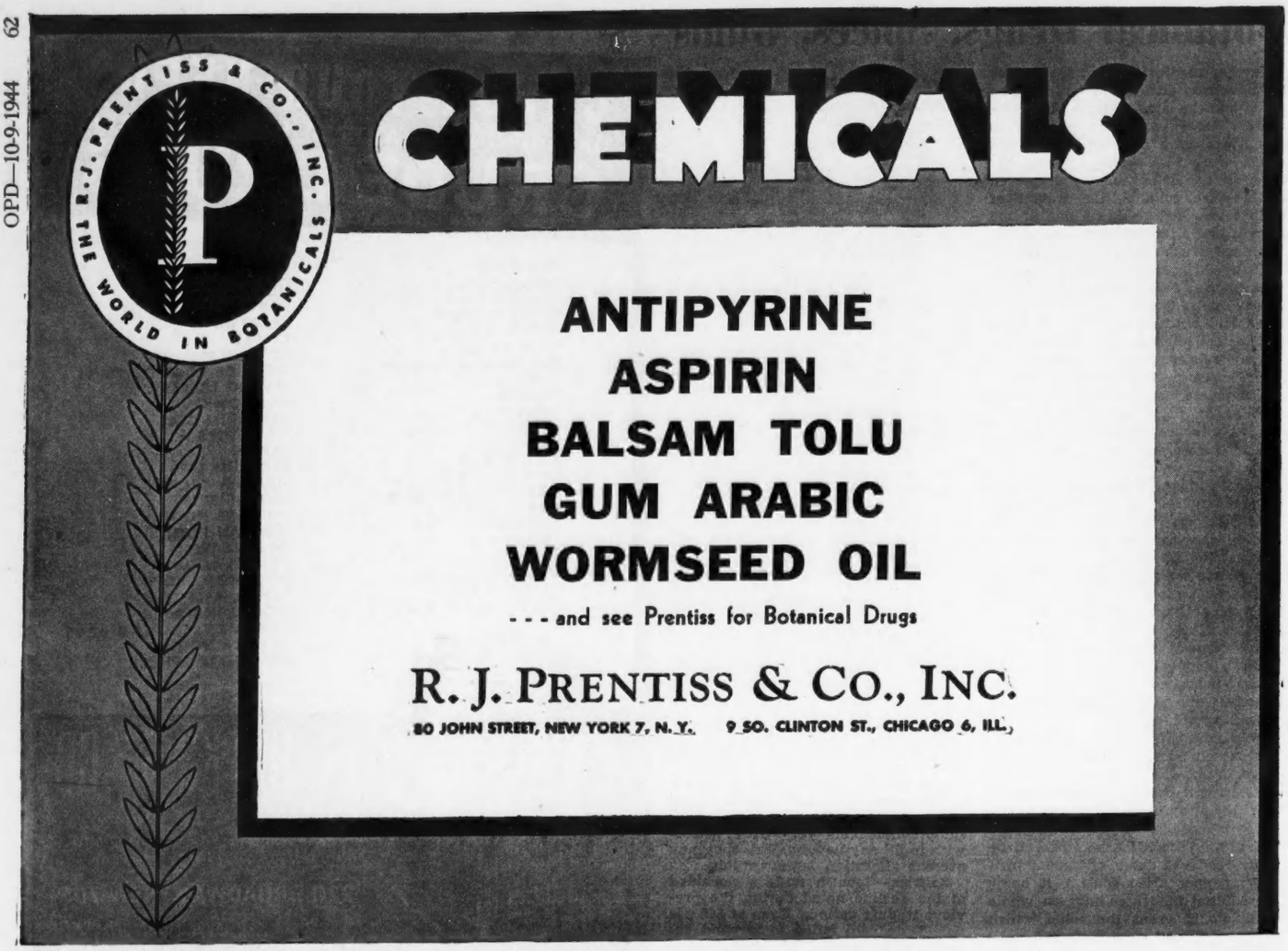
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stricted the quantity of hops and hop products that each brewer may purchase or acquire, or accept delivery of. Each is entitled to buy a quantity equal to 150 percent of that used by him in 1943, less than quantity on hand September 1. About 39,000,000 pounds is expected to be available out of this year's crop.

Papain.—Stocks increased to the extent of 21 cases. Prices were basically unchanged but the range narrowed, the market being $2.25 to $2.50 per pound.

St. John's Bread.—Edible material was slightly higher at 16c. to 17c. per pound as sales diminish the somewhat larger stocks reported of late.

Roots

Berberis. — Very little root was available, and little can be obtained at the source. The spot price was up to 28c. to 30c. per pound, which reflects what was paid locally for small amounts of new crop.

Blueflag.—Reports locally failed to disclose any spot stocks.

Dandelion. — Limited stocks have been revalued higher at 40c. to 45c. per pound. The cost of additions to supply ran higher.

Ladyslipper.—To get any collected dealers had to pay prices which compel them to ask not less than $1.40 to $1.45 per pound now.

Licorice.—Indian root was up to 12c. to 14c. per pound, and powder stood at 18c. to 20c.

Orris.—Limited quantities of African root were noted, and all reflected a higher replacement cost that made spot quotations 85c. to 90c. per pound for whole and 90c. to 95c. for powder.

Rhatany.—Low stocks were reported, and sellers' minimum prices were 17c. to 18c. per pound.

Sarsaparilla.—Mexican root was a small fraction higher at 20c. to 22c. per pound.

Senega.—Quite scarce. Quotations were $1.05 to $1.15 per pound, which was in line with the cost of new crop goods now in hand.

Valerian.—Arrivals have increased supply and prices were lowered to 55c. to 60c. per pound.

Seeds

Caraway.—Stocks of dewhiskered Syrian seed no longer reported. Canadian seed shaded to 68c. to 70c. per pound, Montreal. Dewhiskered Morocco seed higher at 69c. to 70c., and Spanish dewhiskered advanced to 70c. to 72c., both because of sharp drop in supplies.

Celery.—The market was ¼c. higher at 17¼c. to 18¼c. per pound, notwithstanding the substantial additions that have increased stocks available on the spot.

Mustard. — California brown seed shaded to 16c. to 16½c. per pound. Yellow mustards reported showing substantial strength at this time.

Spices

Clove.—War Food Administration informs Clove Committee of the American Spice Trade Association that it has been aware for several weeks of the critical situation in cloves and that cloves have already been assigned one of the highest priority ratings for shipment from both Zanzibar and Madagascar. The chief problem is to procure a vessel to move them but work on the difficulty is going forward and WFA is hopeful that spice will soon be picked up. However, the War Shipping Board boats do not call at ports in Madagascar. Movement of Madagascar cloves would be definitely assured if it were transhipped at an indicated port where WSB ships call regularly. Highest priority would assure the movement of transhipped spice promptly. It was spice en route here via the transhipment route that was lost at sea recently, thus aggravating the scarcity here.

Ginger. — Unbleached Cochin root down substantially at 23½c. to 24c. per pound.

Mace.—West Indian reported lower at 61c. to 62c. per pound. No. 1 futures reported also lower at 60c. to 61c.

Paprika.—Portuguese choice quality shaded to 38c. to 39c. per pound.

Pepper. — Washington information last week was that OPA has, after consultation with WFA, planned to issue an amendment in about a week which it believes will provide relief in connection with the pepper supply

—Continued on page 68

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Sweet fennel, also called Roman, grows in south France near the Mediterranean. German seed is harvested in Saxony near Czechoslovakia. Bombay ships the Indian seed. And European refugees now cultivate it in Argentina.
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Essential Oils, Other Aromatics

Prominent suppliers of essential oils and aromatic chemicals last week reported that business was quiet and spotty. Transactions lacked definite trend or tendency either up or down in volume and most business was along jobbing lines. Prices held firm.

Interest attached to the report that to get clove spice and oil to this country, Madagascar products must be taken to a specified port and there transhipped to a War Shipping Board vessel destined for the United States. No WSB boats are calling at Madagascar. Because of present scarcity of spice. The highest shipping priority has been accorded clove from Madagascar and Zanzibar and goods taken to the transhipment port are assured prompt despatch to this country.

The longed for shipment of Italian bergamot was still being hoped for by potential distributors who have filed the required sales data with the proper authority. Regarding arrival, the word "soon" was used recently in official circles but spot dealers last week said they had been hearing that word "soon" for many months. Nor has any of the longed and hoped for Italian lemon oil reached these shores.

Inquiry failed to discover any former seller of French lavender oil who had made any progress toward renewing spot stocks, now practically extinct. Nor was there definite knowledge regarding damage, if anything, to factories in the French liberated area.

Bourbon vetiver was renewed in spot offerings and the price was lower than that named recently. Peppermint remained in statu quo and supplies were moderate. No spearmint was offered. Wormwood was in tight position, prices on spot being nominal at levels far below new crop price views of the producers. A similar situation was reported in wormseed oil.

Market Trends

Prices Advanced

None

Prices Reduced

Vetiver, $5 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
261.7	261.7	261.6	247.0

Essential Oils

Almond.—The expressed oil remained steady, even though demand of jobbing size was reported somewhat more active. Stocks were moderate.

Angelica.—The quantity of root oil still available on spot remained comparatively small. So did demand, but prices held steadily.

Apricot Kernel.—Moderate sized inquiry was current in local circles, and it proved to be sufficient to hold competition well in check. The undertone of the market was definitely firm.

Bay.—Demand appeared to be within the limits of hand-to-mouth buying, yet market undertones held steady, and there was no tendency toward price shading during the period reviewed.

Bergamot.—Former suppliers of this article reported a lack of further information regarding an arrival of Italian oil, recently alleged to be due here "soon." Meanwhile, stocks from Brazil increased 43 cases and sought buyers on the basis of $10 per pound.

Cassia.—A very fair-sized business in substitute materials has been built and although the call was irregular last week, the position of the replacement products was considered firm.

Cedarleaf.—Strong in all respects except that of demand, which lagged considerably last week without affecting prices adversely.

Citronella.—The market remained steady to firmer throughout the past week even though activity on the part of buyers was confined to jobbing operations. The recent strength at the source continued to prevail.

Clove.—Reports offered concerning the position of spice may also include oil, though government agencies have not so stated definitely. Regarding spice, the trade has been informed that one of the highest of priority positions has been given cloves to be brought here from Madagascar and Zanzibar. The War Shipping Board has no ships calling at Madagascar. However, if the spice be shipped to a specified port, high priority means that it will be brought here promptly.

Geranium.—Futures were reported offered at less than spot prices but always with the provision "subject to safe arrival." Existing spot oil was at firm price levels, which were maintained independent of the inactive call.

Ginger.—Firm as to price but not sought for eagerly at the moment. The outlook for sufficient raw material at reasonable cost was poor.

Lavender.—Complete liberation of the French area for flower oil production has not brought any definite assurance of oil being sent here, even if available. There is very little oil left here and it is all oil of low ester content. Nor has anything definite been established regarding the condition in which liberation found factories.

Lemon. — The further shipment of Italian lemon oil which dealers are eagerly awaiting have yet to arrive despite the recent report that the lot would arrive "soon." It was even said that the word "soon" had been used for months to describe the time of arrival. Meanwhile, the civilian goes very short of oil and were it not for price control, prices would probably be far higher. Reliable quarters expressed the opinion that Brazilian prices would mean spot deliveries to consumers at about $4 per pound, if not more. OPA has arranged for the granting of special prices on imported oil brought here under specific conditions relating to cost of oil landed here.

Orange.—Brazil continues to offer further quantities to this market, which is about the only country which is a potential outlet for the substantial production in that country. The supplies of orange oil on spot were more than adequate to meet current demand, which was fair last week.

Peppermint.—The market and conditions prevailing therein remained in statu quo. Firsthand holders are not particularly satisfied with their present ceilings and local dealers cannot do much business on the basis of their current stocks and the cost thereof. Larger quotas have been established for consumers of this oil. Reasonably accurate, and possibly final, reports concerning production should be available in the not far distant future. The last estimate was 1,144,000 pounds total.

Pimento.—Not much of any variety of pimento oil was stocked on the spot and numerous former suppliers called the market nominal.

Rosemary.—Stocks were sufficient to care for the current moderate demand. The undertone of the market was very steady and reports failed to include any suggestion of price shading.

Sandalwood.—Enough raw material has been provided to keep production sufficient to care for the major requirements of the few large buyers. Firm undertones prevail.

Spearmint.—The market was as quiet as a football stadium the night after the big game. The price impasse still eliminates much chance for usual distributors doing their usual job of distribution.

Vetiver.—Bourbon oil was lowered to $35 to $40 per pound but the article was not at all plentiful and the time when further arrivals will get here is as indefinite as ever. To get here, oil has to be taken to a transhipment port, transhipped, and brought here on another ship. No War Shipping Board ships call at Madagascar now.

Wormseed.—The spread between prices wanted for new crop by its producers and those at which local dealers can legally sell are far apart. The spot is reported nominal at about $5.50 per pound. Some sellers say the General Maximum Price Regulation ceilings should be between $3.35 and $3.50 per pound. The nominal spot price is but slightly less

For Current prices see alphabetical listing beginning on page 9.

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than new crop price views of producers.

Wormwood.—The nominal spot price is about $5 per pound, which is far below the ideas that producers express regarding what they should get for new crop. The General Maximum Price Regulation ceiling would be between $4.75 and $5 per pound.

Ylang Ylang.—Spot Bourbon oil was reported offered at $9.50 to $10 per pound without stirring much consumer interest.

Aromatic Chemicals

Cinnamic Alcohol. — In moderate supply but not called for last week save in a limited way and the business was booked at firm prices.

Ethyl Acetate.—Most sellers lack supplies since the quantities available are under close allocation control.

Ethyl Cinnamate.—Inquiry gained within moderate limits but actual transactions bulked but a small total by the close of the period.

Ethyl Salicylate.—Limited production continued to keep spots in rather short supply and hence a very firm position prevailed.

Ethyl Vanillin.—Shortage of vanilla beans—one likely to continue for some time to come—makes for an excellent market for this synthetic equivalent.

Eugenol.—Very firm because of the tight position in clove oil.

OPD Forum

—Continued from page 4

fact, control by the British Ministry of Food is so complete and comprehensive that, apart from a few large manufacturers of aromatics, all essential oil houses in Britain are now depending on repayments of excess profits taxes to tide them over until the war finishes.

Government interference here in the United States is looked upon as a great burden, with the OPA, WPB regulations and allocation of raw materials, etc.; but, compared with the control scheme in Britain, we are treated very leniently. For instance, supposing a candymaker in England wants 28 pounds of orange oil: he sends an application to the Ministry of Food, states the purpose for which the oil is required, and nominates his prewar supplier—suppose it was Standard Synthetics, Ltd. Some months later the supplier, Standard Synthetics, Ltd., receives notification that one of his customers is permitted to buy 28 pounds of orange oil and, if he will send a check at once, the oil will be shipped from the government warehouse at the fixed ruling price, with a 5 percent profit allowed. Some months later, he oil is shipped, and eventually payment is received.

These transactions are very few, and as profits are meager, it is not surprising that most essential oil firms are now operating at a loss and only survive on repayments of taxes paid in the good years 1939 to 1941. Of course, a few "outside" sales at tremendously inflated prices can be made, but with stocks much more scarce than in this country, these "outside" sales are rare.

This state of affairs fortunately has not yet arrived here, and probably never will, but the rumors of good business being done in Britain both in their home and export trade are definitely false.

We have heard a lot of groaning here about the difficulty of obtaining export licenses, but compared with conditions in Britain, we are well treated. There it is practically impossible to do any importing or exporting business because all necessary exchange of merchandise is handled by government departments under lend-lease and only material needed for war purposes. Britain has cut her exports down to an absolute minimum, in spite of the fact that exports are her lifeblood, and only token shipments abroad have been permitted so as to keep the customer's goodwill. After the war, we shall undoubtedly see strong competition from Britain in world markets, but, first, the controls will have to be removed.

New York
Sept. 22, 1944

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Petroleum Derivatives

With the exigencies of war, both in Europe and the Pacific, continuing to absorb the chief constituents of high explosives as well as of superoctane gasoline and synthetic rubber, the tension in civilian supplies of petroleum solvents, liquefied gases and numerous other groups of petroleum derivatives has become even more acute within the past week.

Even the most strenuous efforts of the Petroleum Administrator to amplify the domestic output of crude oil with the encouragements at his command, and a renewed attempt on the part of the Small Business Committee of the House of Representatives to furnish a still more powerful incentive for swelling the overall yield of the oilfields with a general markup of 35 cents per barrel in the prices for crude oil, have failed to make it possible for the refiners and other processors to turn out enough of these derivatives to meet the transcendent requirements of the government and leave enough of them over to meet more than a relatively small percentage of the non-military needs.

The daily average production of the American oilfields has been boosted to a new peak at 4,743,850 barrels and runs to the refineries have been raised to a new highwater mark at 4,775,000 barrels for the concluding week of September.

But, insofar as the civilian consumer has been concerned, all this building up of crude oil output has been in vain, although accompanied by a commensurately increased yield of derivatives as the requirements of the war effort have continued to outstrip any and all gains in their outturn.

Solvents and Diluents

Aromatic Solvents. — Although WPB's October allocations of xylol to solvent makers for use in protective coatings have been a little more liberal than hitherto estimated, processors of the high solvency aromatic naphthas are still uneasy over the prospect for obtaining their necessary quota of this basic material for a much longer period, inasmuch as it is apparent that military requirements in the basic coaltar products are running at unprecedentedly high levels and likely to continue so for some time to come — at least, until the termination of the war in Europe—and, with supplies of toluol currently spoken for by the military establishment even before they are produced, it seems not at all impossible that this military demand may have to be met eventually in increasing measure by drawing still more heavily upon xylol. However, most of the processors have enough xylol on hand to keep their plants operating on their present schedules for at least another month. Hence, they are not greatly perturbed by the outlook. Meanwhile, the demand for both class A and class B types and blends continues keen.

Cleaners' Naphtha. — Still moving briskly into both military and civilian dry cleaning plants, with prices well maintained.

Lacquer Diluent.—Continues in active request by the paint trade with a stable market shown in all quarters.

Mineral Spirit.—Buying interest is still extensive in this material. Prices firmly held throughout.

Rubber Solvent.—Virtually the entire production continues to be absorbed by the synthetic rubber manufacturers. Market strong.

Stoddard Solvent.—In unabated demand for both military and civilian dry cleaning operations. Tone holding firm.

V. M. & P. Naphtha.—Still being bought in sizable quantities, with interests engaged in war production work getting the bulk of the offerings and with prices strongly maintained.

Markets at Other Centers

Chicago, Oct. 6.—Both industry and direct war production buying in petroleum solvents and diluents continue good, with the movement on orders active in this territory. Material is not accumulating in any great degree for most grades of this general group. In most instances, buyers are desirous of obtaining the products.

Los Angeles, Oct. 6.—The market for petroleum solvents and thinners on the Pacific coast remains steady, with demand well ahead of production. Cleaners' naphtha and lacquer diluents continue in especially keen demand, with the market strong as in recent previous periods.

Market Trends

Prices Advanced

None

Prices Reduced

None

Lighter Fractions

Butane.—With the manufacturers of high-octane gasoline and synthetic rubber still absorbing the lion's share of current production, domestic users and private industrial enterprises are kept on short rations in this liquefied gas. Exceptional strength continues to characterize the market.

Heptane.—Buying interest expanding steadily. Market firm.

Hexane.—Moving in increasing volume. Tone steady.

Octanes.—Being shipped in mounting volume. Prices well maintained.

Pentanes.—In constantly expanding request. Market stable.

Propane.—Civilian users are going as largely unsatisfied in this liquefied gas as they are in butane while war production requirements naturally transcend all those outside military needs.

Petrolatums and Waxes

Amorphous Waxes.—Continuing to move steadily into consuming channels, with the standard process types still in the lead and with prices fairly well maintained.

Paraffin.—U.S.P., veterinarian and technical grades are being taken in moderate quantities with shipments of sizable lots being made once more in returnable steel drums on which a deposit charge of $4 each is being made.

White Mineral Oils.—Though the bulk of the business in these oils continues to be done by strong hands among the producers who adhere strictly to their old price schedules, a not inconsiderable amount is being sold by suppliers who indulge in price shading in certain lines in which they find themselves overstocked.

Fuels and Lubricants

Crude Petroleum.—A renewed spurt in the pace and extent of domestic production of crude oil within the past week has carried the average daily output of the fields in the United States to a new peak. For the week ended September 30, the average daily yield increased 18,450 barrels to a new high-tide mark at 4,762,300 barrels, which was 4,756,200 barrels above PAW's recommendation for last month.

Refinery operations on crude oil also hit a new peak in the same week, rising from 4,608,000 barrels to 4,775,000 barrels daily.

PAW has latterly recommended that a minimum of 27,000 oil and gas wells be drilled, next year, of which 5,000 should be exploratory wells.

Another effort is being made to obtain authorization of the long-pressed but finally-abandoned request for a price markup of 35c. per barrel for crude oil. This time it is being urged by the House of Representatives' Small Business Committee on the Economic Stabilization Director, who repeatedly declined to grant a similar application last year.

Fuel Oil.—Now in better supply, insofar as civilian users are concerned, than had been expected for this time of year. Nationwide stocks of light fuel oil at the close of last month showed a gain of 548,000 barrels to 45,329,000 barrels, against 39,806,000 barrels a year ago, while inventories of heavy fuel oil exhibited an increase of 1,712,000 barrels to 64,226,000 barrels, compared with 66,627,000 barrels at the corresponding date in 1943.

The Federal Power Commission reports that the consumption of fuel oil for August totaled 1,504,660 barrels, compared with 1,530,246 barrels for July.

In consequence of a shifting of the Navy's supply requirements for 7-0-2 diesel oil from the West coast to other areas, to permit refiners on the West coast to increase their production of more urgently needed Navy Special fuel, PAW has revoked a formal directive, designated as 71, which, affecting only these West coast refiners, was issued originally to restrict for military use certain quality fuel oils required in the manufacture of the 7-0-2 type.

Gasoline. — Although the domestic production of gasoline for the week ended September 30 has shown an increase from 13,841,000 barrels to 14,494,000 barrels, nationwide stocks, as of that date have manifested another heavy reduction, falling by 344,000 barrels to 78,028,000 barrels, compared with 69,260,000 barrels a year ago.

Following up his statement of a week ago, that only about half of the gasoline in storage in the United States is now available for civilian use, although these stocks are at approximately pre-war levels, PAW has issued a report to the nation that the nation's stockpile of civilian gasoline, which is now near maximum working levels, is barely sufficient to take care of any reasonable fluctuations between demand and refinery production during the remainder of this year.

Howard Resigns

— Continued from page 7

and the National Defense Research Committee.

Mr. Howard also announced that W. R. Carlisle had been elected a vice-president of the development company. Mr. Carlisle left the New York law firm of Davis, Polk, Wardwell, Sunderland and Kiendl to join the company in 1930. Form many years he made his readquarters in London and was active in the organization of the Esso Laboratories there in 1937.

Steel Barrels Output Up

Production of heavy steel barrels and drums in July, 1944, was 1,438,666 compared with 1,508,833 for June, 1944, and 2,426,769 for July, 1943, according to the Bureau of Census. Shipments were 1,427,367 for July, 1944, as against 1,517,944 for June, 1944, and 2,422,429 for July, 1943. Stocks at the end of the month totaled 50,803. Output of light type steel barrels and drums in July, 1944, reached 464,959 compared with 447,909 for June, 1944, and 456,153 for last year. Shipments were 472,596 for July, 1944, compared with 461,769 for June, 1944, and 454,853 for July, 1943, while unfilled orders at the end of the month were 1,381,855.

Hornkohl Out of Army

Lieutenant-Colonel Frank Hornkohl reopened his laboratory at 1016 Eighteenth street, Bakersfield, Calif., after completing nearly there years' service with the United States Army.

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1—5'x5' Heavy Duty Hydraulic Press with Pump.

1—Barnstead 100 GPH Water Still.

1—Polar 175 GPH Water Still.

1—International Filter and Water Softening System.

2—Sprague Sells Vert. Retorts, 24"x28", single basket.

1—Horizontal Retort or Sterilizer, 36"x40"x34".

1—Glass Lined Jacketed 3,000 Gal. Still.

1—Lead Lined 24" Centrif. Extractor.

1—Tolhurst 28" Centrifugal Extractor.

1—Lead Lined 500 Gal. Autoclave with 7½ H.P. Agitator; Jacketed.

40—Electrolytic Cells, capper connections.

PUMPS, bronze, iron centrifugal and Beach Russ Vacuum, Worthington, Buffalo, etc.

Complete Motor Generator Installation incl. 2 Westinghouse DC Generators.

1—W. & P. 100 gal. Jktd. double arm Mixer.

2—Heat Exchangers; 100 sq. ft., copper tubes.

1—Kilbey Rotary Kiln; 5'x22'.

1—Tray Dryer with blower; 35 S.S. Trays.

4—Iron Fireman Stokers with complete equip.

1—Boiler 100 H.P. steam pump, injector, stack, etc.

3—Air Compressors, Fairbanks, Brunner and Pioneer.

2—Buffalo & Devine 6' Crystallizers.

1—Rotary Digester, Jktd., 6'x13'.

Shriver 18" Cast Iron Filter Press.

2—2500 liter Swenson Steel Crystallizers, Jacketed and Agitated.

2—Swenson & Zaremba 4' Evaporators.

4—Direct Fired Retorts, agitated; 3'x7'4"; swing door.

Miscellaneous Valves, S.S. Bronze, Lead, Iron Piping, Aluminum, Brass, Iron, etc.

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Agencies Wanted

EXPORT TO Chile—Established firm in Santiago de Chile which is very familiar with the pharmaceutical industry seeks agencies of U. S. producers of raw materials for this industry. BOX 422, Oil, Paint and Drug Reporter.

SALES AGENCY for Texas wanted. Houston firm of good standing and reputation, good connections with the oil industry, synthetic rubber plants, chemical industry, and others, is interested in acting as agent or distributor for high-class concern. Have spacious warehouse on railroad siding and all other facilities in this rapidly developing industrial center. Especially interested in raw materials, chemicals, drugs. Own laboratory and chemist. BOX 442, Oil, Paint and Drug Reporter.

Agencies Wanted

SALES AGENCY wanted, metropolitan area, for new and outstanding products used in protective coatings, printing ink and allied industries, by reputable organization having over 40 years' experience in these fields. BOX 453, Oil, Paint and Drug Reporter.

Capital Offered

CHEMIST with production, research, sales experience, will invest $10,000 with services in reputable, established Eastern manufacturing or jobbing firm, interested in production of fine organics and pharmaceuticals. BOX 428, Oil, Paint and Drug Reporter.

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GLASS JARS—35 gross one-half gallon (clear) with caps; O.D. lip 3 1/16 in.; I.D. 2⅞ in.; Maryland Glass Company mold No. C-2983. Price $12.00 per gross, f.o.b. Rutherford, New Jersey. P. O. Box 85, Rutherford, N. J.

Equipment Offered

NEWFOUNDLAND GRINDING pebbles. Picking season will close about November first. Limited quantities available, sizes 000 to 5. Clinchfield Sand & Feldspar Corp., 618 Mercantile Trust Building, Baltimore 2, Md.

Equipment Wanted

WANTED — One para-di-chlor benzol cake or block press; must be reasonable. BOX 401, Oil, Paint and Drug Reporter.

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41—(NEW) STAINLESS STEEL steam jacketed KETTLES, up to 500 gal. cap. AA3 needed.

2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.
1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry complete with accessories.
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2—ATMOSPHERIC DRUM DRYERS 4' x 12'.
2—32" x 72" ATMOSPHERIC DOUBLE DRUM DRYERS, m.d.
2—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.
4—6 TRUCK DRYERS, Philadelphia Textile.
9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30'
1—7'6" x 75' Indirect Heat ROTARY DRYER.
2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
2—CRUSHING ROLLS, 40 x 16" Colorado Iron Works.
6—DRY POWDER MIXERS various sizes. To 3000 lbs.
2—W. & P. MIXERS, sizes ZI-X-BB jacketed 625 gal.
3—4-Roll RAYMOND HIGH SIDE MILLS, all equipped for vacuum air separation—one with latest "whizzer" separator, two with double cone vacuum separators. Each including exhauster, cyclone collector and interconnecting piping.
1—4'x6' OLIVER CONTINUOUS FILTER; 2—8'x8'
8—HEAT EXCHANGERS, 56 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.
6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 1, No. 0000.
1—Day No. 30 Imperial Jack. MIXER, 75 gal.
8—RUBBER LINED Rectangular TANKS; 7—500 gal.; 1—150 gal.
29—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—PNEUM. SCALE CARTON PACKAGING UNIT
1—Pneumatic Scale Co. Auto. tight WRAPPER.
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1—36" dia. Cast Iron COLUMN, 23" high.
1—355 c.f.m. AIR COMPRESSOR, with A.C. Motor
1—Devine duplex VACUUM PUMP 16 x 16 x 12.
2—STOKES steam heated WATER STILLS, 5, 10 gal. per hour.
9—Hardinge BALL MILLS, 3' x 36", 6' x 36"; also 6' x 12' Rod Mill.
2—8' x 30" Hardinge Conical Silex Lined PEBBLE MILLS.
5—ROTARY KILNS, 6' x 60', 8' x 125', 8'x135'.
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1—Abbe Blutergess No. 2 SIFTER; 1—No. OS, m.d.

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3—DORR BOWL CLASSIFIERS—10' dia. bowl with 2'3"x19'8" rake, 12' dia. bowl with 2'3"x21'4" rake, 15' dia. bowl with 2'3"x23' rake.
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1—8' x 8' OLIVER ROTARY CONTINUOUS VACUUM FILTER.
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4—150 gal. aluminum TANKS, cone bottom.
1—Stokes No. 21 GRANULATING MIXER, 50 lb. belt driven.
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1—No. 7; 2—Colton TUBE or JAR FILLERS, No. 0.
1—Colton hand TUBE FILLER.
2—Jones Automatic CARTONERS.
2—Anderson PACKAGING UNITS
1—Sperry Iron FILTER PRESS, 36" x 36", 38 chambers; 1—Shriver 24" x 24", 40 chambers.
2—World Rotary auto. LABELERS.
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1—C. C. & S. 7-head Jumbo CROWNER.
7—50 gal. copper steam jacketed VACUUM PANS, complete; other sizes to 750 gal.
1—300 gal. COPPER steam jack. KETTLE, with bronze agitator.
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1—Stokes-Standard No. 280 PERFORM PRESS, makes tablets up to 4" dia. and 2" depth, motor driven.

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WANTED party who can fill No. 1 capsules or wishes to rent or sell No. 1 capsule filling machine. BOX 427, Oil, Paint and Drug Reporter.

ARCH PRESS with 4½-inch to 5-inch crank shaft, back gear with 6-inch or more stroke. BOX 430, Oil, Paint and Drug Reporter.

WANTED—One Pfaudler type, glass-lined evaporator, size up to 50 gallons. BOX 447, Oil, Paint and Drug Reporter.

WANTED—Large wooden tanks, cypress preferred, approximately 15 feet by 15 feet, 3 inches thick. BOX 456, Oil, Paint and Drug Reporter.

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Materials Offered

FOR SALE—Approximately 29,000 lbs. aluminum chloride, technical grade, absolutely iron free, packed in steel drums. BOX 429, Oil, Paint and Drug Reporter.

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WANTED—REFINED naphthalene flakes, rice, chipped and ball sizes; paradichlorobenzene; synthetic gum camphor, large or small lots. Quote best delivered prices, New York, N. Y. BOX 438, Oil, Paint and Drug Reporter.

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Positions Vacant

ANALYTICAL CHEMIST — Permanent position open with large midwestern paint and varnish manufacturer. Excellent postwar prospects. Give full details about self, draft status and salary expected. BOX 372, Oil, Paint and Drug Reporter.

SUPERINTENDENT'S ASSISTANT wanted for small color plant with general repair and maintenance experience; permanent; metropolitan area. Write fully in confidence, giving age, availability, salary desired. BOX 407, Oil, Paint and Drug Reporter.

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CHEMICAL ENGINEER, thoroughly experienced in oil refining and vegetable oil factionation and segregation. This is a permanent position with large manufacturer in Chicago area, offering unusual postwar opportunities. Replies should give full information and will be treated in strictest confidence. Please answer in fullest detail. BOX 373, Oil, Paint and Drug Reporter.

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CHEMICAL SALES—Well-known industrial chemicals producer with New York executive offices and national distribution to the major fields of application for organic and inorganic chemicals, solicits applications from young chemists or chemical engineers interested in a technical sales career. In applying, please include summary of training and experience (if any), indicate preferred geographical location and salary expectations. Give the customary personal details and enclose an inexpensive recent photograph. BOX 410, Oil, Paint and Drug Reporter.

—*Continued on page* 68

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2—6'x5' JACKETED CLOSED PRESSURE KETTLES.

2—JACKETED STILLS, 500 AND 350 GAL. WITH STEEL COLUMNS AND CONDENSERS.

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1—W. & P. 150 GAL. STAINLESS STEEL LINED DOUBLE ARM MIXER.

3—COLTON NO. 2 ROTARY TABLET MACHINES.

1—STOKES "D" ROTARY TABLET MACHINE.

2—Colton No. 2-B Single Punch Tablet Machines.

1—Fitz-Killion Rotary Tablet machine, up to ¾".

2—J. H. Day 30" Copper Coatings and Polishing Pans.

1—W. & P. 20 gal. Double Arm Mixer.

2—Ermold Semi-Automatic Labelers.

1—Patterson 3'x4' Porcelain Lined Pebble Mill, motor-driven.

1—Patterson 5'x4' Silex Lined Pebble Mill, motor-driven.

3—J. H. Day 80-gal. Lead Mixers.

2—J. H. Day Twin 80-gal. Lead Mixers.

1—Struthers Wells 2200 sq. ft. Triple Effect Evaporator.

1—Houchin 3' Glycerine Single Effect Evaporator, copper tubes.

1—Shriver Diaphragm Pump, 45 gpm, 5 HP motor.

3—Oliver Rotary Filters, 5'x8', 8'x8', 8'x11'.

5—Shriver and Independent 24", 36", 42" Wood Filter Presses.

1—Johnson 24" C. I. closed delivery Press, with 36 plates and frames.

12—Centrifugals, 32", 40", 48" steel, bronze baskets, motor driven top bottom discharge.

3—Hersey Rotary Dryers, 5'x30', 5'x21'.

1—Copper Rotary Dryer, 6'x17'.

2—Scott 4'x8' Vacuum Cookers

1—BUFFALO 24"x20" VACUUM DRUM DRYER.

6—Rotary Dryers, 4'x30', 6'x42', 6'x60', 6'x65'.

1—Raymond Mill, No. 0000, ball bearing, with 15 HP motor.

2—Jeffrey Hammer Mills, 36"x24", 24"x18".

3—Roller Mills, 9"x24", 12"x30".

2—Tyler Screens, 3'x5', 4'x5'.

1—Stokes Steel Vacuum Pan, 100 gal.

2—1750 gal. Lead Lined Pressure Tanks.

10—Condensers, 20 to 300 sq. ft.

5—Jacketed, Closed Steel Receivers, 45, 60, 100 and 200 gal.

Miscellaneous: Complete stocks pumps, tanks, filters, boilers, etc.

Partial List Only. Your Inquiries Solicited. Send us your lists of surplus equipment.

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2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

1—F. J. Stokes 3'x15' Rotary Vac. Dryer, with Condenser and Vac. Pump.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
1—Raymond No. 10 Imp Mill, complete.
1—3 Roll High Side Raymond Mill, complete.
3—No. 0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
6—Autoclaves, 200 to 1,500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1,500 gals.
2—75 & 1,500 gal. lead lined closed Kettles.
1—Pfaudler 60 gal. Jack. Agit. Glass Lined Kettle.
2—Dopp 50 & 80 gal. Jack. Agit. Kettles.
1—350 gal. Copper Jack. Vac. Still and Receivor.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. Steel Copper Lined Vac. Filter Tank.
1—600 gal. Steel Copper Lined Agit. Tank.
6—20, 35 & 250 gal. Closed, Agitated, Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Nettco Drives.
4—Single Punch Preform Tablet Machine, ½" & ¾".
1—Ball & Jewell Rotary Cutter.
3—Homogenizers, 7½ & 10 HP.
25—Hydr. Presses, Pumps and Accumulators.
1—D. & B. 2000 lb. Double Arm Steel Powder Mixer.
2—Blystone 2,000 lb. Jacketed, Horiz., Paddle Type Steel Mixers.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
1—Coombs Gyratory Sifter, 1/3 HP.
1—Robinson 20" M.D. Attrition Mill.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Vert. Acid Proof Tanks.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—Worthington 12" x 12" x 12" Vacuum Pumps.
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
2—3 Roll water cooled 16"x40" Steel Roller Mills.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x40" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
2—Tolhurst 26" & 40" Centrifugals.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel & Wood Tanks, up to 4,000 gal.
2—Schutz-O'Neil 16" & 20" Pulverizers.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, 1 to 10 HP.

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X. X., BOX 435
Oil, Paint and Drug Reporter

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2 ELECTRIC VACUUM PUMPS.
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Business Wants

—Continued from page 67

Positions Vacant

SALESMAN WANTED—Old established manufacturers' agent, distributor and importer of industrial chemicals, raw materials has an opening for man in metropolitan area. Write fully giving all details, which will be treated strictly confidentially. BOX 409, Oil, Paint and Drug Reporter.

INDUSTRIAL FINISHES salesman, also service man wanted, for New England, also New York State, served by eastern plant of reputable large manufacturer of synthetics, enamels, varnishes, lacquers. Salesman and service man must be experienced with large industrial consumers. Technical background preferred. Submit full qualifications and detailed information in first letter. Will be held in strict confidence. BOX 408, Oil, Paint and Drug Reporter.

Botanical Drugs

—Continued from page 63

situation. Strong representations to government agencies have urged an increase in ceiling from the present 6½c. per pound for whole pepper to a new ceiling of 10c. to 10½c. This proposal seeks to bring about 60 percent of available stocks, held outside the spice industry, into the market to relieve a scarcity so pronounced as to have resulted in pepper substitutes being marketed down to some retail outlets. The world price for black pepper is said to be 18c. per pound, and the London ceiling is 12 pence, or 20c. per pound, according to the president of the American Spice Trade Association. The Foreign Economic Administration announced that validity of export licenses is limited to three months from date the license was approved. Extension may be asked.

Markets at Other Centers

Los Angeles, Oct. 4.—Supplies of almost all botanical drugs and spices are extremely tight here. No additional stocks are expected until next year. However, Dalmatian sage is being freely offered. Current prices quoted f.o.b. Los Angeles are:—

Calendula.—Flowers at $2 per pound, with extremely limited supply.

Marjoram, French Type.—Dried and clean form quoted at 75c. per pound. Limited supply.

Sage, Dalmatian Type.—Guaranteed to contain less than 12 percent stems, named at 85c. per pound for small lots. Leucophyllia quoted at 55c. for small lots.

Savory, French Type.—Quoted at $1.10 per pound in small lots.

Sweet basil named at $1.25 in dried form.

Thyme, French Type.—Dried and clean form named at 80c. for small lots.

Positions Vacant

WISH TO interview experienced, competent, energetic starch chemist with former experience in the development of new products and control or production of old forms of starch adhesives. In replying please state age, nationality, where born and when available. Permanent position with old-established firm. BOX 413, Oil, Paint and Drug Reporter.

CHEMIST—For development work on protective coatings for paper and packaging materials. Experience in lacquer formulations or similar work necessary. Permanent position in constantly expanding national organization at present engaged in essential work. Opening in middle-western plant. Give complete information. BOX 450, Oil, Paint and Drug Reporter.

LACQUER MAN wanted. Junior chemist capable of taking charge of production and control work in small Eastern plant. An opportunity for a capable man. BOX 426, Oil, Paint and Drug Reporter.

CHEMICAL PRODUCTION man, experienced in manufacture of organic dry colors. Fine opportunity for man properly qualified. New York metropolitan area. Give complete details in first letter. BOX 431, Oil, Paint and Drug Reporter.

PAINT CHEMIST—Permanent position open with large manufacturer located in the East. Paint and enamel formulating experience required. Excellent post-war opportunity. BOX 433, Oil, Paint and Drug Reporter.

NEW PRODUCT market development—The market development department of a major chemicals producing company with New York executive offices will soon have, as the result of staff promotions, an attractive opening for a chemist or chemical engineer with aptitude and desire for technical field contact activity. Principal requirements include a sound background of technical training and an ability to express ideas pleasantly but effectively. Prefer man with post-graduate work and related teaching experience, preferably with some industrial research development background, but others possessing equivalent experience in industry will be fully considered. Propose moderate initial salary appropriate to applicant's qualifications but with unlimited opportunity for advancement on merit. Application letter should reflect applicant's ability to project himself and must include customary personal details, summary of training and experience, salary expectations, and an inexpensive, non-returnable, recent photograph. BOX 440, Oil, Paint and Drug Reporter.

PAINT and varnish chemist wanted as assistant to chief chemist of an old-established, medium-sized progressive company in northern Ohio with excellent post-war prospects. Prefer man with varied experience, able to do general testing, match colors and some formulating. Permanent position. Give age, experience and salary desired. BOX 441, Oil, Paint and Drug Reporter.

Positions Vacant

CHEMICAL PRODUCTION man wanted by plant in New York area. College degree not essential but practical experience in compounding of floor waxes, polishes, and other chemical specialties is desired. BOX 443, Oil, Paint and Drug Reporter.

CHEMIST—Experienced in manufacture of floor waxes, furniture polish. Fine opportunity to do control and research work. Post-war future with live manufacturer. BOX 444, Oil, Paint and Drug Reporter.

CHEMIST WANTED—We are looking for a chemist experienced in the manufacture of lubricating oils, cutting oils, textile soaps and specialties. This is a permanent position with old-established company. State fully your qualifications and salary expected in first letter. All replies strictly confidential. BOX 445, Oil, Paint and Drug Reporter.

EXPERIENCED MAN wanted for plant management with established manufacturer. Preferably chemical engineer. Location middle-west. Non-war materials. State experience. BOX 446, Oil, Paint and Drug Reporter.

SHELLAC BLEACHER wanted—To take complete charge of bleaching plant. Good post-war opportunity for man now employed to negotiate for later connection. Confidences respected. State age, experience and remuneration. BOX 424, Oil, Paint and Drug Reporter.

CHEMIST—Excellent opportunity in expanding plant, one hour from New York. Experience in resin and plastic coating applications on textiles. Give full details. BOX 452, Oil, Paint and Drug Reporter.

SALESMAN, young, experienced in chemical or allied lines, wanted by old-established firm. Local now, later part traveling. Salary $35. Advancement. Give age and full particulars. BOX 455, Oil, Paint and Drug Reporter.

Positions Wanted

SALES ENGINEER—Graduate chemical engineer with excellent sales record wants pigments, oils, resins, solvents, chemicals, etc., to sell paint, rubber, printing ink, ceramic, etc., industries in Cleveland, Akron, Detroit. Can handle on brokerage or as part-time employee. BOX 381, Oil, Paint and Drug Reporter.

IMPORT, EXPORT, capable handling whole department, botanicals, seeds, spices, gums, agricultural products, etc.; 35 years, married; seeks permanent position; presently employed; willing start subordinate position allied field; successful record organizing purchasing abroad. BOX 432, Oil, Paint and Drug Reporter.

PHARMACEUTICAL EXECUTIVE seeks advertising or publishing position in metropolitan area. Twelve years' experience in ethical pharmaceutical advertising and publishing. Knows advertising procedures, space buying, copywriting, house organ and trade journal editing, production, layout, budgets, agency handling, etc. College graduate; licensed pharmacist; $6,500 to start. BOX 434, Oil, Paint and Drug Reporter.

Positions Wanted

SHELLAC BLEACHER, graduate chemist, wants to connect with a progressive concern; can plan, set up, operate, and manage a successful shellac bleaching plant. BOX 425, Oil, Paint and Drug Reporter.

PURCHASING AGENT—25 years' practical experience chemicals, dyes, oils, machinery and mill supplies. A good knowledge of mechanical engineering. Executive ability, capable of taking complete charge, directing purchasing department. Locate anywhere. BOX 436, Oil, Paint and Drug Reporter.

SALESMAN, CHEMIST, business experience real estate, knowledge building materials, fuel, water, oils and fats, desires technical sales. BOX 439, Oil, Paint and Drug Reporter.

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Statement of the ownership, management, circulation, etc., required by the Acts of Congress of August 24, 1912, and March 3, 1933, of Oil, Paint and Drug Reporter, published weekly at New York, N. Y., for October 1, 1944.

State of New York, County of New York: Before me, a notary public in and for the State and county aforesaid, personally appeared William S. Auchincloss, who, having been duly sworn according to law, deposes and says that he is the business manager of the Oil, Paint and Drug Reporter, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the act of August 24, 1912, as amended by the act of March 3, 1933, embodied in section 537, Postal Laws and Regulations, to wit:—That the names and addresses of the publisher, editor, and business manager are:—Publisher, Schnell Publishing Company, Inc., 59 John street, New York; editor, Hugh Craig, 59 John street, New York; business manager, William S. Auchincloss, 59 John street, New York. That the owner is Schnell Publishing Company, Inc., 59 John street, New York. Stockholder holding 1 percent or more, Jean Schnell Auchincloss, Short Hills, N. J. That the known bondholders, mortgagees and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities are:—Not any. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company, but also in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association or corporation has any interest, direct or indirect, in the said stock, bonds or other securities than as so stated by him.

(Signed) William S. Auchincloss, Business Manager.

Sworn to and subscribed before me this 27th day of September, 1944.

(Signed) Frank C. Lehning, Notary Public. [My commission expires March 30, 1946.]

Recent Imports

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MASSARANDUBA—50 cs, Littlejohn & Co
OLIBANUM—124 bgs, A D Isbetcherian
HAIR, GOAT—154 bls, Tradesmen National Bank
21 bls, Manufacturers Trust Co
46 bls, Corn Exchange Bank & Trust Co
60 bls, Philadelphia National Bank
HORSE—24 bls, R Schwarz Bristle Corp
IPECAC ROOT—4 bls, Ed Weil, Inc
MANGANESE DIOXIDE—250 cks
MEDICINAL PREPS—79 cs, D C Andrews & Co
10 cs, E Fougera & Co
MENTHOL—294 cs, Brown & Williamson Tobacco Co
148 cs, Wax & Rosin Product, Inc
13 cs, McKesson & Robbins
50 cs, Brown Bros-Harriman Co
461 cs, Chemical Bank & Trust Co
62 cs, Chase National Bank & Trust Co
18 cs, Canadian Bank of Commerce
1 cs, National City Bank
10 cs, Corn Exchange Bank & Trust Co
MICA—24 cs
NIGER SEED—10 bgs, R T French Co
8 bgs, Hinton & Co
40 bgs, Ernest Cohen
5 bgs, Joel Heller Export & Import Co
368 bgs, Wagner Bros Seed Co
OIL, BERGAMOT—64 cs, Dodge & Olcott Co
LEMONGRASS—4 dms, Norda Essential Oil & Chemical Co
2 dms, Givaudan Delawanna
2 dms, Dodge & Olcott Co
OITICICA—750 dms, Irving Trust Co
2,087 dms, National City Bank
PALM—1,167 tons, Balfour, Guthrie & Co
ROSE—4 dms, E I Du Pont de Nemours Co
SASSAFRAS—22 dms, J Berlage Co
24 dms, Dodge & Olcott Co
9 dms, W J Bush & Co
74 dms, First National Bank
3 dms, Chase National Bank & Trust Co
20 dms, French American Banking Corp
PAPAIN—21 cs, McKesson & Robbins
PEPPER, RED—700 bdls, Ludwig Mueller Co
POPPYSEED—6 bgs, Hinton & Co
8 bgs, R F Downing & Co
PYRETHRUM FLOWERS—1,092 bls, Chemical Bank & Trust Co
114 bls, Irving Trust Co
445 bls
RESIN, VEGETABLE—157 cs, L W Dumont Co
250 cs, H A Astlett & Co
SANDALWOOD—250 bgs, Dodge & Olcott Co
50 bgs, Murphy & Beese
SHARK LIVERS—21 bbls, E F Drew & Co
SOAP BARK—144 bls, R J Prentiss & Co
SODA CARBONATE, MONOHYDRATE—500 bgs, S Stern Stiner & Co
800 bgs, Merck & Co
TAPIOCA FLOUR—2,333 bgs, United States Commercial Co
VALERIAN ROOT—8 bls, R J Prentiss & Co
42 bls, Wessel, Duval & Co
WAX, BEES—255 blocks, American Cyanamid & Chemical Corp
755 blocks, Swiss Bank Corp
CARNAUBA—157 bgs, American Cyanamid & Chemical Co
67 bgs, Wessel, Duval & Co
67 bgs, Strahl & Pitsch
327 bgs, D C Andrews & Co
68 bgs, Innis, Speiden & Co
OURICURY—56 bgs, Strohmeyer & Arpe Co
88 bgs, Avon Trading Co
63 bgs, E A Bromund Co
125 bgs, Innis, Speiden & Co
56 bgs, Cornelius Product Co
56 bgs, Wax & Rosin Product, Inc

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